SURVEILLANCE VIDEO TRANSMISSION SOLULTIONS

Product Guide

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- EX/HD-SDI Transmission
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- High-performing Tester Monitors

SeeEyes Co., Ltd

HD Surveillance Total Solutions

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Total Transmission Solution Products

Signal	Cable / Conversion	Model	Tx/Rx	SET	Channel	Main Spec	
						PoC or PoE	RS-485 Data
IP	Coaxial	SC-IPC3001G	TX/RX	SET	1CH	O	
		SC-IPC3024M1	TX/RX	SET	24CH	O	
		SC-IPC3024M5	TX/RX	SET	24CH	O	
		SC-IPC3001E	TX/RX	SET	1CH	O	
		SC-IPC1204/08EH	TX/RX	SET	4/8CH	O	
		SC-IPC07P	TX/RX	SET	1CH	O	
		SC-IPC0708H	TX/RX	SET	8CH	O	
		SC-IPC05C	TX/RX	SET	1CH		
		SC-IPT1204P	TX		4CH	O	
	UTP	SC-IPC3024M6	TX/RX	SET	24CH	O	
		SC-IPE3001			1CH	O	
		SC-IPH3002			2CH	O	
		SC-IPC07PU	TX/RX	SET	1CH	O	
		SC-IPC0708HU	TX/RX		8CH	O	
		SC-IPS08P			8CH	O	O
		SC-IPS16P			16CH	O	O
		SC-IPS24P			24CH	O	O
HD-SDI 2M	Coaxial	SC-SCP1001/4DH/8D	TX/RX	SET	1/4/8CH	O	O
		SC-HLR01P			1CH	O	
		SC-HLR01D			1CH	O	O
		SC-HD1/8/16VDA			1/8CH		
HD ANALOG (AHD/TVI/CVI/ CVBS)	Coaxial	SC-MVCP0601UF/0604UF/8UF	TX/RX	SET	1/4/8CH	O	UTC
		SC-NRC01MA	TX/RX	SET	1CH		
		SC-MVCP1001/4/8	TX/RX	SET	1/4/8CH	O	
		SC-MICP1001	TX/RX	SET		O	UTC
		SC-MA1VDA			1CH		
		SC-MA8VDA			8CH		
	UTP	SC-MUP01	TX/RX		1CH		
		SC-MUTP0801E	TX		1CH	O	
		SC-MURP0801E	RX		1CH	O	
Converter	HDMI to HD-SDI	SC-HDT0801S			1CH		
	HD-SDI to HDMI	SC-HDR01S			1CH		
	HDMI to HD/EX-SDI	SC-HDT01E			1CH		
	EX-SDI to HDMI/CVBS	SC-HDR01E			1CH		
	SD(CVBS) to HD-SDI	SC-SDHD01			1CH		
	HD-SDI to SD(CVBS)	SC-HDSD01			1CH		
	HD-SDI to Multi	SC-HDMC01			1CH		
	Multi to Multi	SC-MAC02			1CH		
	Multi to SD(CVBS)	SC-MAC04			4CH		
	Multi to Multi	SC-MAC02U			1CH		
	Multi to HD/EX-SDI	SC-MHC01			1CH		
	HD/EX-SDI to AHD	SC-HAC01E			1CH		
	HD/EX-SDI to AHD/TVI	SC-HMC08/16E			8/16CH		
Monitor		SC-MFM07HD				O	O
		SC-IPM07PRO				O	O

Main Spec	Transmission distance (RG-6)	Supported signals									
EoC		IP	HD-SDI	3G-SDI	EX-SDI 1.0	EX-SDI 2.0	ANALOG 960H	Beyond (1.3M)	AHD (1.3M~2M)	CVI (1.3M~2M)	TVI (1.3M~2M)
O	1.2km	O									
O	1.8km	O									
O	500m	O									
O	1.8km	O									
O	1.8km	O									
O	500m/1km	O									
O	500m/1km	O									
O	500m	O					O				
O	500m	O									
	500m(UTP)	O									
	100/250m Ext.(UTP)	O									
	100/250m Ext.(UTP)	O									
	500/800m(UTP)	O									
	500/800m(UTP)	O									
	100/250m(UTP)	O									
	100/250m(UTP)	O									
	100/250m(UTP)	O									
	600m		O		O	O					
	200m		O	O	O	O					
	200m		O	O	O	O					
	200m		O	O	O	O					
	500m								O(4M)		O(5M)
	500m								O(4M)		O(2M)
	1km						O	O	O		
	500m/800m								O(5M)		O(5M)
							O	O	O(4M)	O(4M)	O(5M)
							O	O	O(8M)	O(8M)	O(8M)
	200m(UTP)						O	O	O		O
	700m(AHD/UTP)						O	O	O(4M)	O	O
	700m(AHD/UTP)						O	O	O(4M)	O	O
	200m		O	O							
	200m		O	O							
	600m		O	O	O	O					
	600m		O	O	O	O					
	150m						O				
	200m		O	O							
	200m		O	O							
									O(4M)	O(4M)	O(5M)
									O(4M)	O(4M)	O(5M)
							O	O	O(8M)	O(8M)	O(8M)
									O	O	O
			O		O	O					
			O		O	O					
			O	O	O	O (TDM)	O		O(8M)	O(8M)	O(8M)
		O	O	O	O	O (TDM)	O		O(8M)	O(8M)	O(8M)

IP TRANSMISSION

SC-IPC07P

'Ethernet + Power'
over One COAX

SC-IPC07P, which consists of SC-IPT07P (1ch Transmitter) and SC-IPR07P (1ch Receiver), transmits Ethernet data and power over only one coaxial cable. You can install the EOC network system without having to replace the existing coaxial cables, which doesn't require separate power lines. Our solution is highly cost-effective by minimizing construction period and cost unlike the conventional network systems requiring UTP cables only.

Features

- Transmitting 'Ethernet data + Power(PoC)' over one coaxial cable
- Enabling the power supply (PoE) for a PoE camera(~30W)
- Long-distance Ethernet data transmission
  - RG-59: 400m/800m(100Mbps/10Mbps, Full Duplex)
  - RG-6: 500m/1000m(100Mbps/10Mbps, Full Duplex)
- Built-in 10/100Mbps bandwidth switch(extension switch) for transmission bandwidth optimization by distance
- PoE ON/OFF switch mounted on the transmitter (SC-IPT07P)
- Cost-effective solution by keeping existing coaxial cable
- Reducing the construction cost and period with no need of any separate power lines
- Auto diagnosis function for stable power supply
- Supporting MULTICAST
- Compact size for easy installation (Wall mount brackets provided)
- Built-in surge protection circuit

NEW

[SC-IPT07P]

[SC-IPR07P]

NEW

[SC-IPT07PW - Waterproof type]

[Wall mount brackets for Tx./Rx.]

[DC 48V or 56V Adapter]

Specifications

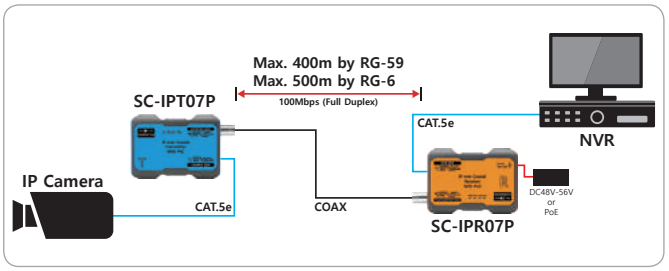
MODEL	SC-IPT07P (1CH Transmitter)
Max. Digital Transmission Bandwidth	TCP Rate: 100Mbps (Bandwidth Switch: 100Mbps Mode)
Max. Self-Power Consumption	2W
Power Input	PoC (Power over Coax) from SC-IPR07P
Power Output	Midspan PoE
Max. Power(PoE) Supply	30W
Max. Transmission Distance (Full Duplex)	RG-59: 400m(100Mbps), 800m(10Mbps) RG-6: 500m(100Mbps), 1000m(10Mbps)
Temperature / Humidity	-10℃ ~ +50℃ / 0 ~ 80%
Connection Port	RJ-45 X 1 / BNC-F X 1
Case Body / Weight	ABS / 60g
Dimensions (mm)	90(W) x 55(H) x 24(D)
MODEL	**SC-IPR07P (1CH Receiver)**
Max. Digital Transmission Bandwidth	TCP Rate: 100Mbps (Bandwidth Switch: 100Mbps Mode)
Max. Self-Power Consumption	2W
Power Input	DC 48V~56V Adapter or PoE
Max. Power(PoE) Supply	30W
Max. Transmission Distance (Full Duplex)	RG-59: 400m(100Mbps), 800m(10Mbps) RG-6: 500m(100Mbps), 1000m(10Mbps)
Temperature / Humidity	-10℃ ~ +50℃ / 0 ~ 80%
Connection Port	RJ-45 X 1 / BNC-F X 1
Case Body / Weight	ABS / 62g
Dimensions (mm)	90(W) x 55(H) x 24(D)

Max. Transmission Distance by Cable Types

Bandwidth	RG-6	RG-59	RG-58
100Mbps	500m	400m	300m
10Mbps	1000m	800m	800m

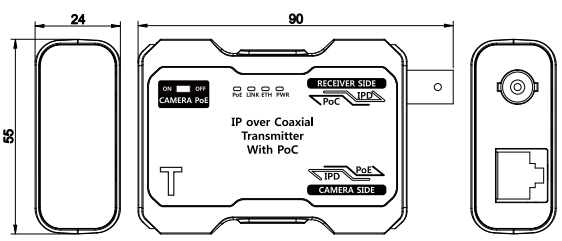
※ Bandwidth can be set by the bandwidth switch on the receiver (SC-IPR07P).

Application Diagram

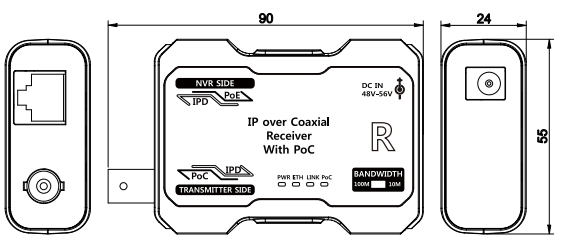


Dimensions

[SC-IPT07P]



[SC-IPR07P]



SC-IPC0708H

8-ch 'Ethernet + Power' over one coax with Built-in Switch Hub

SC-IPC0708H, which consists of 8 of SC-IPT07P (1CH Transmitter) and one of SC-IPR0708H (8CH Receiver), transmits Ethernet data and power over only one coaxial cable per channel. Our solution is very cost-effective by minimizing construction period and cost as you can replace your old coaxial system to network by keeping your coaxial cable without any separate power lines unlike the typical network systems used with UTP cables only.

Features

- Transmitting 'Ethernet(EoC) + Power(PoC)' over one coaxial cable
- Supplying power(PoE) to a PoE camera (~12W)
- Long-distance Ethernet data transmission(FULL DUPLEX)
  - 100Mbps: Max. 500m(RG-6), Max. 400m(RG-59)
  - 10Mbps: Max. 1km(RG-6), Max. 800m(RG-59)
- Built-in 10/100Mbps bandwidth switch(extension switch) for transmission bandwidth optimization by distance
  - Switching Hub built in SC-IPR0708H (8-ch Receiver)
    → Select either RJ-45 or SFP port
- Plug & Play (No need of pairing)
- PoE ON/OFF switch mounted on the transmitter (SC-IPT07P)
- Cost-effective solution by keeping the existing coaxial cable
- Reducing a construction period and costs without having to install addition cables
- Auto diagnosis function for stable power supply
- MULTICAST is supported
- Compact size for easy installation (Wall mount brackets provided)
- Built-in surge protection circuit

Device Manager

NEW

[SC-IPT07P]

NEW

[SC-IPR0708H]

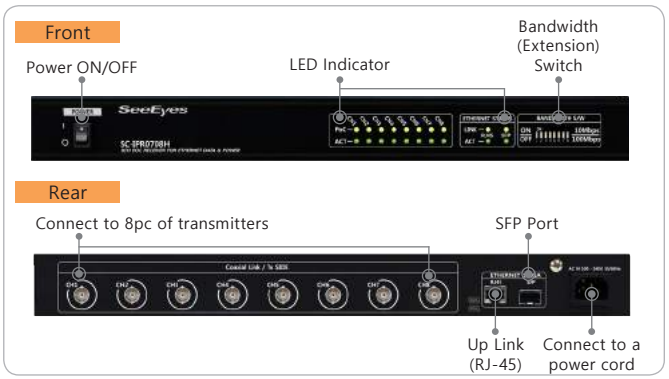
[Front]

[Rear]

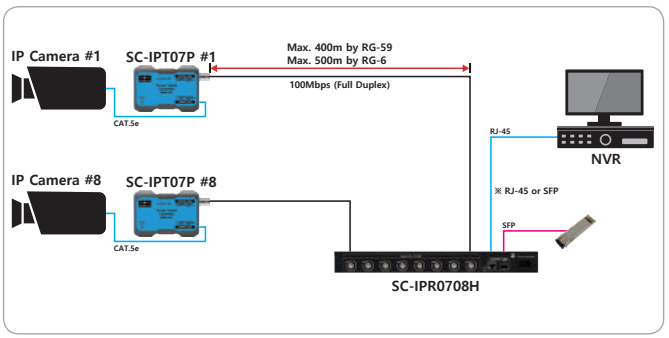
Specifications

MODEL		SC-IPT07P (1CH Transmitter)
Max. Digital Transmission Bandwidth		TCP Rate: 100Mbps (Bandwidth Switch: 100Mbps Mode)
Max. Self-Power Consumption		2W
Power Input		PoC (Power over Coax) from SC-IPR0708H
Power Output		Midspan PoE
Max. Power(PoE) Supply		12W
Max. Transmission Distance(Full Duplex)		RG-6 : 500m(100Mbps), 1km(10Mbps) RG-59 : 400m(100Mbps), 800m(10Mbps)
Temperature / Humidity		-10℃ ~ +50℃ / 0 ~ 80%
Connection Port		RJ-45 X 1 / BNC-F X 1
Case Body / Weight		ABS / 60g
Dimensions (mm)		90(W) x 55(H) x 24(D)
MODEL		**SC-IPR0708H (8CH Receiver)**
Max. Digital Transmission Bandwidth	Tx.↔Rx.	TCP Rate: 100Mbps (Bandwidth Switch: 100Mbps Mode)
	Rx.↔NVR	TCP Rate : 1Gbps
Max. Self-Power Consumption(Max. Load)		127W
Power Input		AC100V to 240V
Max. Power(PoE) Supply		12W per channel
Max. Transmission Distance(Full Duplex)		RG-6 : 500m(100Mbps), 1km(10Mbps) RG-59 : 400m(100Mbps), 800m(10Mbps)
Temperature / Humidity		-10℃ ~ +50℃ / 0 ~ 80%
Connection Port		RJ-45 X 1 / BNC-F X 8 / SFP X 1
Case Body / Weight		Steel / 3.94kg
Dimensions (mm)		430(W) x 44(H) x 300(D)

SC-IPR0708H Interface

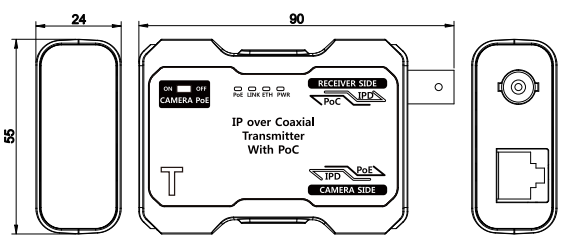


Application Diagram

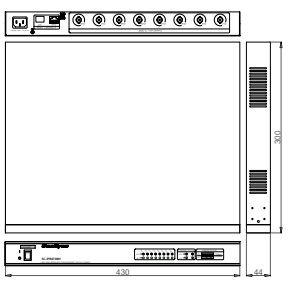


Dimensions

[SC-IPT07P]



[SC-IPR0708H]



SC-IPT1204P

Ethernet and Power over coax
with Built-in-4-port PoE Hub

SC-IPT1204P(4-ch Hybrid Ethernet Data Transmitter) transmits Ethernet data from up to 4 IP cameras to the receiver such as SC-IPR07P or SC-IPR0708H via one coaxial cable. This product compensates for the short-distance of conventional network system by extending the transmission distance up to 400m(RG-59). The integrated PoE hub supplies each PoE IP camera with power over each UTP cable.

Features

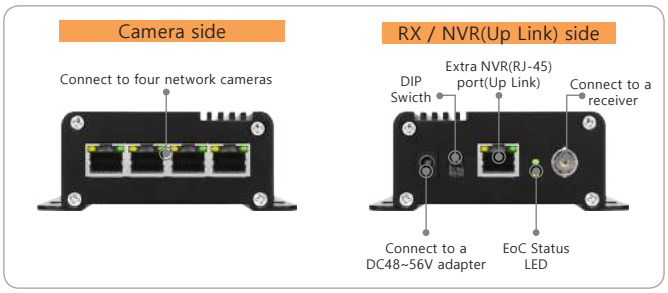
- Transmission of Ethernet data from 4 IP cameras via one coaxial cable with an integrated 4-port PoE hub
- Supplying power(PoE) to four PoE IP cameras (~30W)
- Ethernet data transmission over long distances with SC-IPR07P or SC-IPR0708H
  - 100Mbps: Max. 500m (RG-6), Max. 400m (RG-59)
  ※※ The bandwidth switch of the receiver must be set to 100Mbps
- A maximum of 8 cameras connections via one coaxial cable via Daisy-chain connection
  (2*SC-IPT1204P and 1*SC-IPR07P connection via additional NVR connection (RJ-45))
- Max. transmission bandwidth (TCP rate): 100Mbps (Full Duplex)
- Built-in 10/100Mbps bandwidth switch of the SC-IPT1204P to extend the transmission distance between cameras and the SC-IPT1204P
  - 100Mbps: Max. 100m (Cat.5e) / 10Mbps: Max. 250m (Cat.5e)
- Receiving power from the receiver (PoC) or via a separate adapter
- Cost-effective solution by keeping the existing coaxial cable
- Easy installation Easy installation with the mounting holes
- Built-in surge protection circuit

NEW

[SC-IPT1204P]

[DC56V Adapter]

SC-IPT1204P Interface



Recommended sister products

[SC-IPR07P]

[SC-IPR0708H]

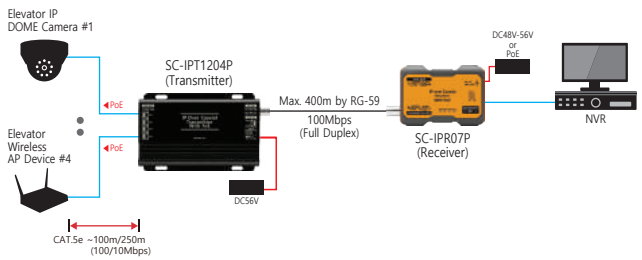
[DC56V Adapter]

Specifications

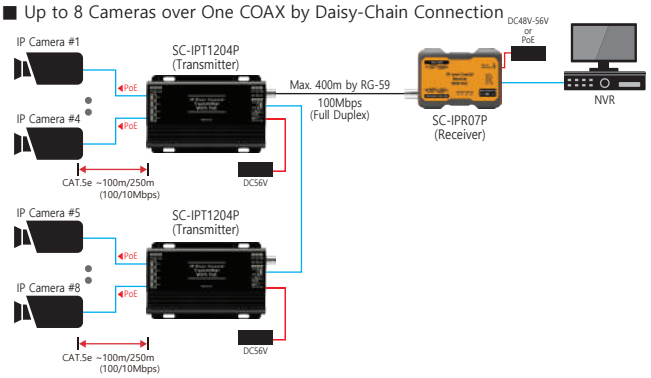
MODEL		SC-IPT1204P (4CH Transmitter)
Power Input	DC Power Input	DC 48V or DC 56V Adaptor
	PoE Input	PoE IEEE 802.3af / 802.3at, Endspan / Midspan (Mode A / Mode B)
PoE Supply to Camera		Max 30W, Standard PoE, IEEE802.3 af/at Mode A
Max. Distance between Camera and SC-IPT1204P		100Mbps Mode: Max. 100m (Cat.5e)
		10Mbps Mode: Max. 250m (Cat. 5e)
Max. Distance between SC-IPT1204P and Receiver		100Mbps: max. 500m(RG-6), max. 400m(RG-59) / Full Duplex
Connection Port	Extra NVR Port	RJ-45 1Port (TIA/EIA568B Type)
	Camera Port	1x4 RJ-45 1Port (TIA/EIA568B Type)
	EoC Port	BNC-F 1Port, 75ohm
	Power Input Port	DC JACK
RJ-45 Connector Pin Assignment(Polarity)		1Pin: TX(+), PWR(+) / 2Pin: TX(-), PWR(+)
		3Pin: RX(+), PWR(-) / 6Pin: RX(-), PWR(-)
Max. Transmission Bandwidth		10/100Mbps (Full Duplex)
Temperature / Humidity		-10°C ~ +50°C / 0 ~ 80%
Case Body / Weight		Aluminum / 290g
Dimensions (mm)		159(W) x 92.5(H) x 34.7(D)

Application Diagrams

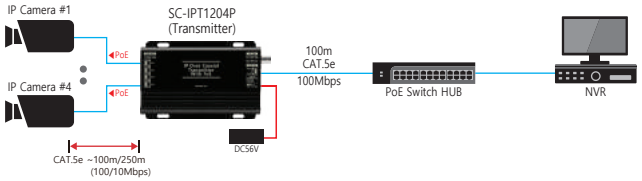
■ Elevator System or Extra Camera Installation without new cabling



■ Up to 8 Cameras over One COAX by Daisy-Chain Connection

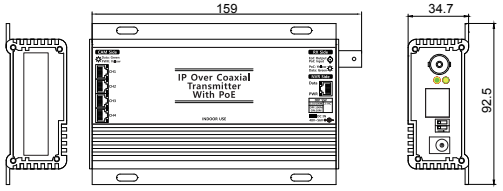


■ In case of using with PoE Switch HUB



※ Transmission distance may vary depending on the installation environment (cable/connector grade, construction quality, etc.).

Dimensions



SC-IPC3001E

Ethernet(EoC) + Power(PoE) over coax

The SC-IPC3001E consists of the SC-IPT3001E (1-channel transmitter) and SC-IPR3001E (1-channel receiver). It supports a PoC and PoE function, which supplies the transmitter and the IP camera with power from the receiver.
It also transmits ethernet data from the camera to the NVR, which is an EoC function.

Features

- Transmit Power and network data over one coaxial cable
- Max. 1.8km over RG-6 (up to 20Mbps / data transmission only)
- Supply power to PoE IP Camera (Max.30W)
- Max. transmission bandwidth : 200Mbps(PHY Rate) / 75Mbps(TCP Rate)
- Auto diagnosis function for stable power supply
- PoE On/Off switch mounted on the transmitter for camera power supply
- 4/8CH Ethernet over Coax Receiver(SC-IPR1204EH, SC-IPR1208EH) with built-in switching HUB function
- Cost-effective solution by using existing coaxial cable line
- Lower installation cost and reduce construction period by eliminating the need to lay power lines with PoC function
- Built-in all channel Auto Pairing function for prevention of interference and safe transmission
  - All channel auto encryption (128bit AES)
- Built-in surge protection circuit

[SC-IPT3001E]

[SC-IPR3001E]

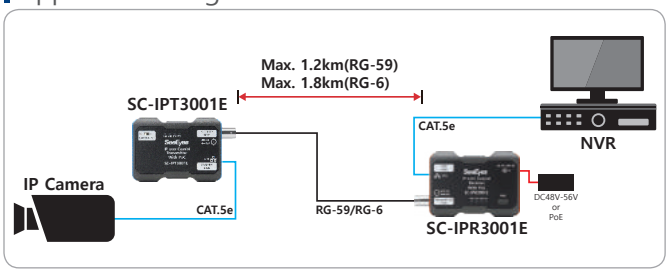
[Bracket]

[DC48V Adapter]

Specifications

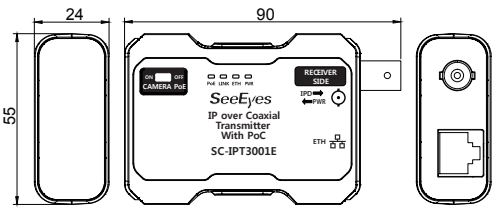
MODEL	SC-IPT3001E
Transmission Bandwidth (Max.)	PHY Rate 200Mbps
Power Consumption	2W(Max.)
Power Output	Midspan PoE
Max. Power Output	30W
Transmission Distance(RG-6)	1.8km @ Up to 20Mbps
Temperature / Humidity	-10℃ ~ +50℃ / 0 ~ 80%
Connection Port	RJ-45 X 1 / BNC-F X 1
Case Body / Weight	ABS / 60g
Dimensions (mm)	90(W) x 55(H) x 24(D)
MODEL	SC-IPR3001E
Transmission Bandwidth (Max.)	PHY Rate 200Mbps
Power Consumption	2W(Max.)
Input Power	DC 48V to 56V
Max. Power Output	30W
Transmission Distance(RG-6)	1.8km @ Up to 20Mbps
Temperature / Humidity	-10℃ ~ +50℃ / 0 ~ 80%
Connection Port	RJ-45 X 1 / BNC-F X 1
Case Body / Weight	ABS / 60g
Dimensions (mm)	90(W) x 55(H) x 24(D)

Application Diagram

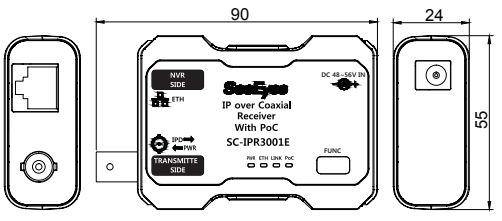


Dimensions

[SC-IPT3001E]



[SC-IPR3001E]



SC-IPC1204/08EH

Network(EoC) + Power(PoE&PoC)

4/8ch EoC(Ethernet over coax) transmission kits are composed of SC-IPT3001E (1-ch transmitter) and SC-IPR1204EH or SC-IPR1208EH(4/8-ch receiver). It takes advantage of the existing coaxial cable for sending power to the transmitter and the IP camera over single coaxial cable. Simultaneously, EoC is available, so it is possible to receive data from the IP camera and transmit it to NVR. Therefore, this solution will minimise construction period and installation costs.

Features

- Transmit Power and network data over one coaxial cable
- Max. 1.8km over RG-6 (up to 20Mbps / data transmission only)
- Supply power to PoE IP Camera (Max.12W)
- Max. transmission bandwidth : 200Mbps(PHY Rate) / 75Mbps(TCP Rate)
- Auto diagnosis function for stable power supply
- PoE On/Off switch mounted on the transmitter for camera power supply
- 4/8CH Ethernet over Coax Receiver(SC-IPR1204EH, SC-IPR1208EH) with built-in switching HUB function
- Cost-effective solution by using existing coaxial cable line
- Lower installation cost and reduce construction period by eliminating the need to lay power lines with PoC function
- Built-in all channel Auto Pairing function for prevention of interference and safe transmission
  - All channel auto encryption (128bit AES)
- Built-in surge protection circuit

[SC-IPT3001E]

[SC-IPR1204EH]

[SC-IPR1208EH]

[Front]

[Rear]

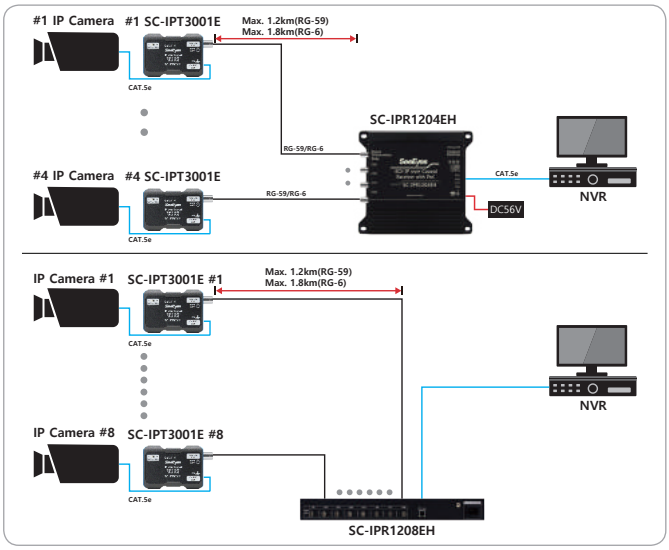
Specifications

MODEL	SC-IPT3001E	
Transmission Bandwidth (Max.)	PHY Rate 200Mbps	
Power Consumption	2W(Max.)	
Power Output	Midspan PoE	
Max. Power Output	12W	
Transmission Distance(RG-6)	1.8km @ Up to 20Mbps	
Temperature / Humidity	-10℃ ~ +50℃ / 0 ~ 80%	
Connection Port	RJ-45 X 1 / BNC-F X 1	
Case Body / Weight	ABS / 60g	
Dimensions (mm)	90(W) x 55(H) x 24(D)	
MODEL	**SC-IPR1204EH**	**SC-IPR1208EH**
Transmission Bandwidth (Max)	PHY Rate 200Mbps	
Power Consumption	120mA	30W(Max.)
Power Output	DC56V	AC90 to 240V
Max. Power Output	12W @ Channel	
Transmission Distance(RG-6)	1.8km @ Up to 20Mbps	
Temperature / Humidity	-10℃ ~ +50℃ / 0 ~ 80%	
Connection Port	RJ-45 X 1 / BNC-F X 4	RJ-45 X 1 / BNC-F X 8
Case Body / Weight	Steel / 516g	Steel / 4kg
Dimensions (mm)	162(W) x 43(H) x 140(D)	430(W) x 44(H) x 350(D)

Components

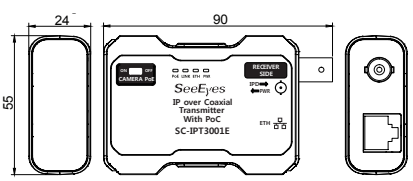
SET No.	Product Components
SC-IPC1204EH	SC-IPT3001E X 4EA / IPR1204EH X 1EA
SC-IPC1208EH	SC-IPT3001E X 8EA / IPR1208EH X 1EA

Application Diagram

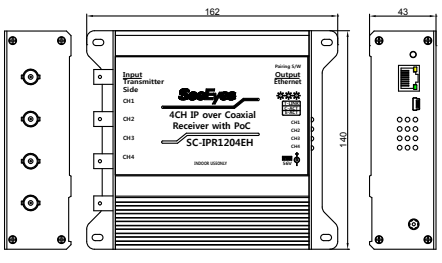


Dimensions

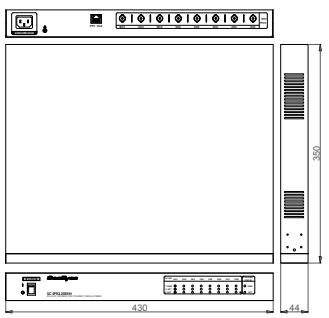
[SC-IPT3001E]



[SC-IPR1204EH]



[SC-IPR1208EH]



SC-IPC3001G

'Ethernet + PoE' over One Coax.

The SC-IPC3001G, which overlaps the Giga IP + Power (PoC), consists of an SC-IPT3001G (Tx) and an SC-IPR3001G (Rx). The PoC function enables transmitters and cameras to be powered without a separate power cable. By installing only coaxial cables, construction time and costs can be reduced. In addition, EoC(Ethernet over coaxial) is available , which can compensate for the conventional short network transmission distances via UTP.

Features

- Overlapping transmission of power and network data via a coaxial cable
- Up to 1 Giga bps transmission bandwidth support
- Transmitting data up to 900m via RG-59
- Maximum power supply: 30W
- Taking advantage of the existing coaxial cable to reduce installation costs
- Reducing installation costs and construction period thanks to the PoC function over 1 coaxial cable.
- Equipped with PoE ON/OFF Switch on the transmitter
- MULTICAST is supported
- Built-in surge protection circuit

NEW

[SC-IPT3001G]

NEW

[SC-IPR3001G]

[DC48V / DC56V(option) Adapter]

Specifications

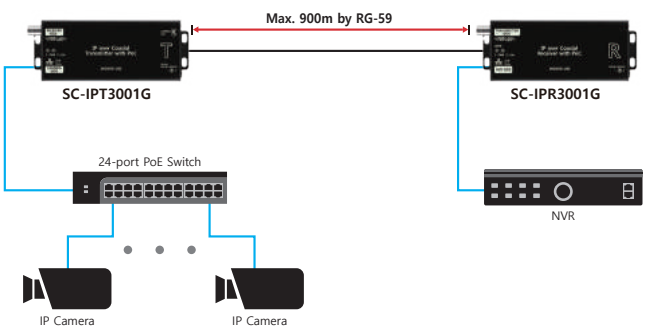
MODEL			SC-IPT3001G
Max. Digital Transmission Bandwidth			PHY Rate 1Gbps
Data Transmission Type			Full Duplex
Power Output			Midspan PoE
Max. Power(PoE) Supply			IEEE802.3 af/at
Max. Transmission Distance (RG-59)			900m
RJ-45 Connector			1Pin : TX +, 2Pin : TX-, 3Pin : RX+, 4Pin : PWR+ 5Pin : PWR+, 6Pin : RX-, 7Pin : PWR-, 8Pin : PWR-
PoE S/W			On : Supplying PoE to camera Off : Not supplying PoE to camera
LED Indicator	PWR	Green	On : Connected properly
		Orange	Blink : Pairing
		Red	Blink : Abnormal power supply to camera side On : PoE switch OFF
	Link	Off	Not Link
		Green	Blink : Link OK / Act OK
		Red	On : Link NG
Temperature / Humidity			-10°C ~ +50°C / 0 ~ 80%
Case Body / Weight			Aluminum / 160g
Dimensions(mm)			148(W) x 25(H) x 60(D)
MODEL			SC-IPR3001G
Max. Digital Transmission Bandwidth			PHY Rate 1Gbps
Data Transmission Type			Full Duplex
Max. Self-power Consumption			6W
Power Output			Midspan PoE
Max. Power(PoE) Supply			IEEE802.3 af/at
Max. Transmission Distance (RG-59)			900m
RJ-45 Connector			1Pin : TX +, 2Pin : TX-, 3Pin : RX+, 4Pin : PWR+ 5Pin : PWR+, 6Pin : RX-, 7Pin : PWR-, 8Pin : PWR-
LED Indicator	PWR	Green	On : Connected properly
		Orange	Blink : Pairing
		Red	Blink : Abnormal power supply to transmitter
	Link	Off	Not linked
		Green	Blink : Link OK / Act OK
		Red	On : Link NG
Temperature / Humidity			-10°C ~ +50°C / 0 ~ 80%
Case Body / Weight			Aluminum / 162g
Dimensions(mm)			148(W) x 25(H) x 60(D)

Max. Power(PoE) Supply by Distance

Cable Type	Tx to Rx Distance (m)		200m	600m	800m	900m
RG-59	DC48V	PoE Output(W)	19	4	3	2
	DC56V	PoE Output(W)	30	9	7	5.8

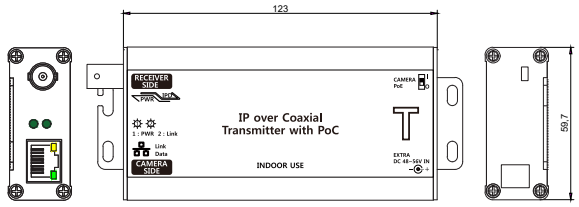
※ Transmission distance may vary depending on the installation environment (cable, etc.).

Application Diagram

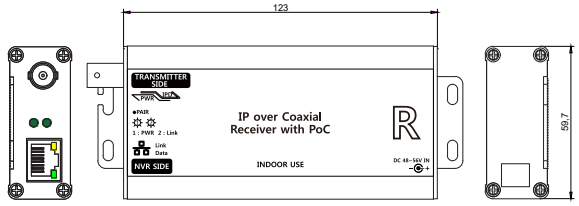


Dimensions

[SC-IPT3001G]



[SC-IPR3001G]



SC-IPC05C

EoC & CVBS transmission kit

SC-IPC05C consists of 1-channel SC-IPT05C (transmitter) and SC-IPR05C (receiver). It is a total solution transmission kit that provides three options using a coaxial cable.
1.EoC transmission kit, 2.CVBS transmission kit, 3.EoC&CVBS simultaneous transmission kit.

Features

- a 3-solution transmission kit via 1 coaxial cable(RG-59 or RG-6)
  - IP Camera → IPC05C → NVR and CVBS monitor
  - SD Camera → IPC05C → DVR
  - 1 IP Camera + 1 Analog Camera → IPC05C → NVR + DVR
- Transmission bandwidth (TCP Rate)
  - Down Link(from camera) : 36Mbps
  - Up link(to camera) : 3Mbps
- Long-distance transmission of network data: 350m
- Auto MDI/MDIX function support
- Real-time monitoring and high-definition recording possible at the same time
- Built-in surge protection circuit

[SC-IPT05C]

[SC-IPR05C]

[DC12V 200mA Adapter]

[DC12V 200mA Adapter]

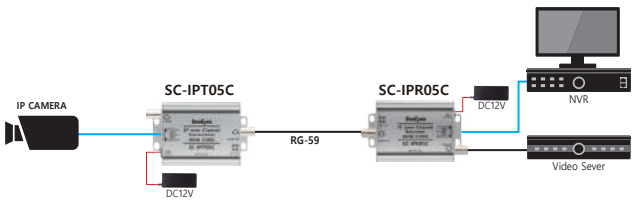
•SLOC™ Compliance Testing Certificate

Specification

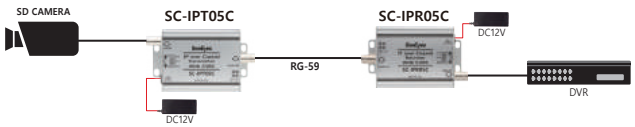
MODEL	SC-IPT05C(Transmitter)
Digital transmission bandwidth (Max.)	TCP Rate : 36Mbps(Downlink),3Mbps(Uplink)
Data transmission method	FULL Duplex
Self-consumption (Max.)	200 mA@DC12V
Transmission distance (RG-59)	350m
Temperature / Humidity	-10℃ ~ +50℃ / 0 ~ 80%
Case Body / Weight	Aluminum / 300g
Dimensions(mm)	97(W) x 60(H) x 25(D)
MODEL	SC-IPR05C(Receiver)
Digital transmission bandwidth (Max.)	TCP Rate : 36Mbps(Down link), 3Mbps(Uplink)
Data transmission method	FULL Duplex
Self-consumption (Max.)	200 mA@DC12V
Transmission distance (RG-59)	350m
Temperature / Humidity	-10℃ ~ +50℃ / 0 ~ 80%
Case Body / Weight	Aluminum / 300g
Dimensions(mm)	97(W) x 60(H) x 25(D)

Application Diagram

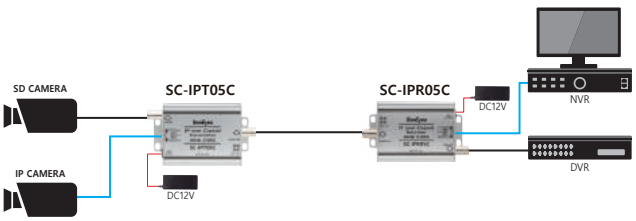
■ Application 1: IP camera → NVR + CVBS(monitor) long distance transmission



■ Application 2: SD camera → DVR long distance transmission

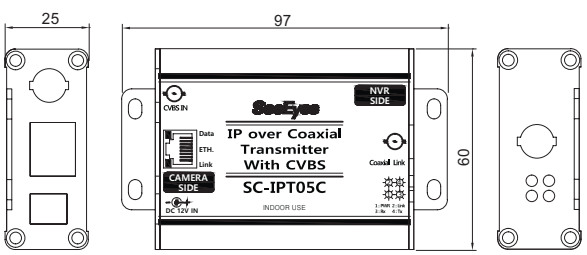


■ (SD camera → DVR) + (IP camera → NVR) simultaneous long distance transmission

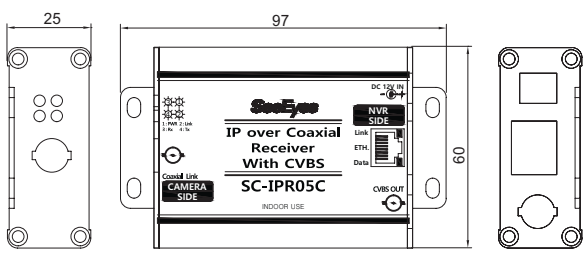


Dimensions

[SC-IPT05C]



[SC-IPR05C]



SC-IPC07PU

'Ethernet + PoE' over UTP

SC-IPC07PU, consisting of SC-IPT07PU(1-ch transmitter) and SC-IPR07PU(1-ch receiver), transmits Ethernet data and power via a UTP cable. Its built-in power supply function (IEEE802.3at) operates the transmitter(SC-IPT07PU) and the PoE camera from the receiver(SC-IPR07PU) without separate power lines. It compensates for the short distance of a conventional network system by transmitting Ethernet data over long distances.

Features

- Transmission of 'Ethernet data + power (PoE)' via a UTP cable
- Enabling the power supply (PoE) of a PoE camera (~30W)
- Ethernet data transmission up to 500m via Cat.5e (based on 100Mbps, Full Duplex)
- Ethernet data transmission up to 800m via Cat.5e (based on 10Mbps)
- Built-in 10/100Mbps bandwidth switch (expansion switch) to optimize the transmission bandwidth according to distance
  - 100Mbps: max.500m(Cat.5e) / 10Mbps: max.800m(Cat.5e)
- PoE ON/OFF switch mounted on the transmitter (SC-IPT07PU)
- Inexpensive solution by keeping existing UTP cables
- Reduction of construction costs and time without separate power lines
- Autodiagnostic function for stable power supply
- MULTICAST is supported
- Compact size for easy installation (wall brackets included)
- Built-in surge protection circuit

NEW

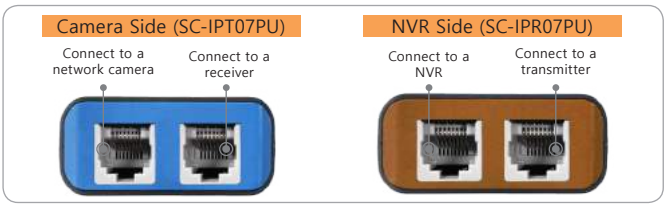
[SC-IPT07PU]

[SC-IPR07PU]

[Wall mount brackets for Tx./Rx.]

[DC 48V or 56V Adapter]

SC-IPC07PU Interface



Specifications

MODEL	SC-IPT07PU (1CH Transmitter)
Max. Digital Transmission Bandwidth	TCP Rate: 100Mbps (Bandwidth Switch: 100Mbps Mode)
Max. Self-Power Consumption	2W
Power Input	PoE (Power over Ethernet) from SC-IPR07PU
Power Output	Midspan PoE
Max. Power(PoE) Supply	30W
Max. Transmission Distance	Cat.5e : 500m(100Mbps), 800m(10Mbps)
Temperature / Humidity	-10℃ ~ +50℃ / 0 ~ 80%
Connection Port	RJ-45 X 2
Case Body / Weight	ABS / 52g
Dimensions (mm)	76(W) x 55(H) x 24(D)
MODEL	SC-IPR07PU (1CH Receiver)
Max. Digital Transmission Bandwidth	TCP Rate: 100Mbps (Bandwidth Switch: 100Mbps Mode)
Max. Self-Power Consumption	2W
Power Input	DC 48V~56V Adapter or PoE
Max. Power(PoE) Supply	30W
Max. Transmission Distance	Cat.5e: 500m(100Mbps), 800m(10Mbps)
Temperature / Humidity	-10℃ ~ +50℃ / 0 ~ 80%
Connection Port	RJ-45 X 2
Case Body / Weight	ABS / 54g
Dimensions (mm)	76(W) x 55(H) x 24(D)

Max. Transmission Distance

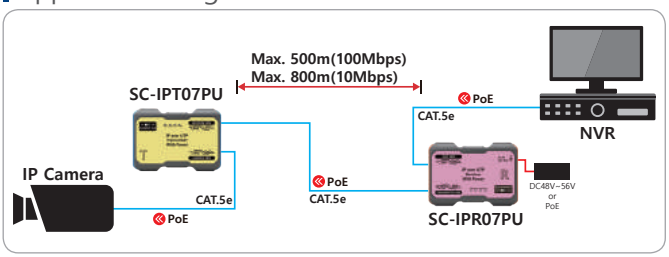
100Mbps	10Mbps
500m	800m

※ Bandwidth can be set by the bandwidth switch on the receiver (SC-IPR07PU).

Max. Power(PoE) Supply by Distance

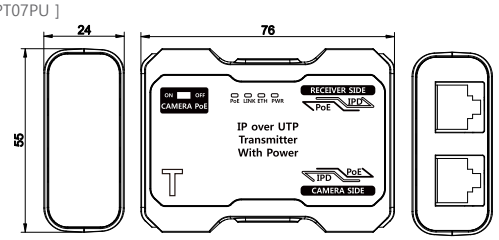
Transmission Distance (CAT.5e)	Transmission Bandwidth	PoE Supply with DC48V Adapter	PoE Supply with DC56V Adapter	Cable Loop Resistance(Ω)
100m	100Mbps	30W	30W	18.2
200m	100Mbps	17.2W	30W	36.2
300m	100Mbps	11.4W	22W	54.7
400m	100Mbps	8.6W	16.6W	72.9
500m	100Mbps	6.86W	13.3W	90.8
600m	10Mbps	5.8W	11.2W	111.1
700m	10Mbps	4.9W	9.6W	128.7
800m	10Mbps	4.2W	8.3W	147.4

Application Diagram

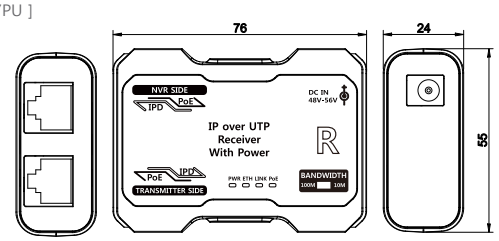


Dimensions

[SC-IPT07PU]



[SC-IPR07PU]



SC-IPC0708HU

8CH Ethernet + Power over UTP
with Built-in Switch HUB

SC-IPC0708HU is a 8CH UTP transmission unit which consists of 8 SC-IPT07PU(1CH Transmitter) and 1 SC-IPR0708HU(8CH Receiver). Our solution is very cost-effective by minimizing construction period and cost as you can use existing UTP cable to transmit power of transmitter and IP camera as well as receive network data of IP camera over 1 UTP cable.

Features

- Transmit Network data and power over one UTP cable
- Enable supplying power(PoE) to a PoE camera (~12W)
- Long-distance Ethernet data transmission
  - 100Mbps: Max. 500m (CAT.5e)
  - 10Mbps: Max. 800m (CAT.5e)
- Built-in 10/100Mbps bandwidth switch(extension switch)
- HUB Combo type receiver
  - Use as a HUB without transmitter(SC-IPT07PU / Midspan)
  - Or use as a EoU(Ethernet over UTP) device with transmitter(SC-IPT07PU) for transmission bandwidth optimization by distance
- Switching Hub built in SC-IPR0708H (8CH Receiver)
  → Select either RJ-45 or SFP port
- Auto diagnosis function for stable power supply
- PoE ON/OFF switch mounted on the transmitter (SC-IPT07P)
- Cost-effective solution by keeping existing UTP cable
- Reduce the construction cost and period with no need of any separate power lines
- Support MULTICAST
- Built-in surge protection circuit

NEW [SC-IPT07PU]

NEW [SC-IPR0708HU]

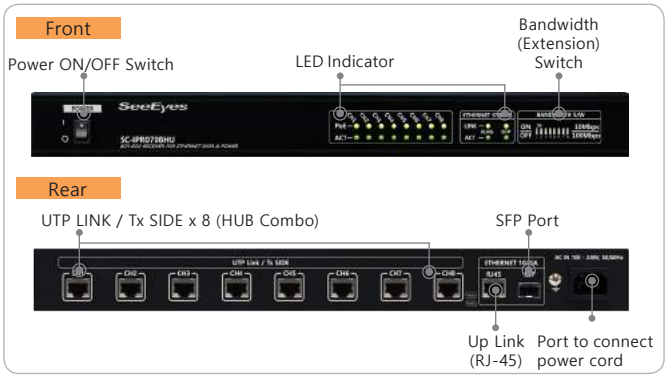
[Front]

[Rear]

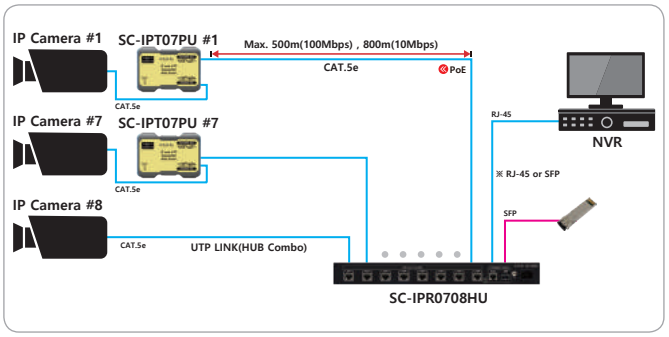
Specifications

MODEL		SC-IPT07PU
Max. Digital Transmission Bandwidth		TCP Rate : 100Mbps (SC-IPR0708HU 100Mbps Mode)
Max. Self-Power Consumption		2W(Max.)
Power Input		Midspan PoE
Max. Power(PoE) Supply		12W
Max. Transmission Distance (CAT.5e)		500m(100Mbps), 800m(10Mbps)
Temperature / Humidity		-10℃ ~ +50℃ / 0 ~ 80%
Connection Port		RJ-45 x 2
Case Body / Weight		ABS / 52g
Dimensions (mm)		76(W) x 55(H) x 24(D)
MODEL		**SC-IPR0708HU**
Max. Digital Transmission Bandwidth	Tx Side	TCP Rate : 100Mbps(100Mbps Mode)
	Up Link	TCP Rate : 1Gbps
Max. Self-power Consumption		127W
Power Input(Max. Load)		AC 100V to 240V
Max. Power(PoE) Supply		12W @ Channel
Max. Transmission Distance (CAT.5e)		500m(100Mbps), 800m(10Mbps)
Temperature / Humidity		-10℃ ~ +50℃ / 0 ~ 80%
Connection Port	NVR Port	RJ-45 x 1 or SFP x 1 (1 selectable)
	Tx. Side	RJ-45 x 8
Case Body / Weight		Steel / 3.6kg
Dimensions (mm)		430(W) x 44(H) x 300(D)

SC-IPR0708HU Interface

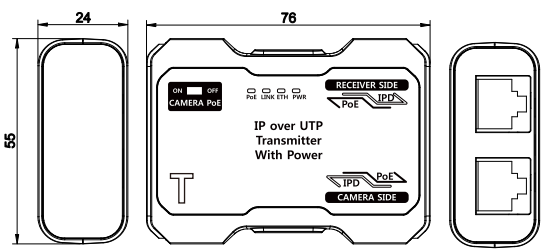


Application Diagram

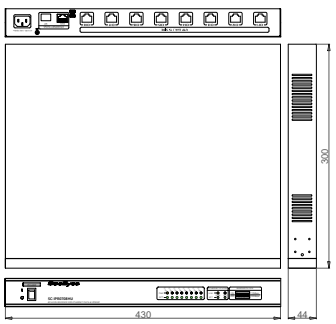


Dimensions

[SC-IPT07PU]



[SC-IPR0708HU]



SC-IPE3001

Network + Power(PoE) Extender

SC-IPE3001 is a 1CH UTP Ethernet Data + PoE Extender. With its built-in power supply function, this product supplies power (PoE IEEE802.3at) to camera. To compensate the short transmission distance of Network equipment (below 100m), SC-IPE3001 extends the transmission distance up to 100~250m by installing this product in the UTP cable section between camera and PoE Hub. Also, it is able to reduce construction costs by supplying PoE to IP camera.

Features

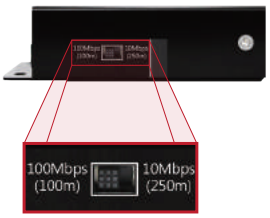
- Extend transmission distance of Network Data (100 ~ 250m)
- Transmit Power + IP Data simultaneously over UTP Cable(CAT.5e)
- Input PoE or DC Adaptor Dual Power (DC Adapter power priority)
- Transmission bandwidth(MAX) : 10/100Mbps(Full Duplex)
- Support PoE input / output
- Extend transmission distance by setting bandwidth switch (100Mbps/10Mbps)
  - 100Mbps : Max. 100m (CAT.5e) / 10Mbps : Max. 250m (CAT.5e)
- Max. power output : 48W(100Mbps, using DC 56V Adaptor)
- Built-in surge protection circuit

NEW

[SC-IPE3001]

[Front Side]

[Left Side]



[Bandwidth Switch]

NEW

[SC-IPE3001W - Waterproof type]

Max. Power Output (Using DC Adaptor)

Power Input	DC 48V				DC 56V			
Number of SC-IPE3001 (EA)	1	2	3	4	1	2	3	4
100Mbps/100m (Max. Power Output)	38W	16W	9W	5W	48W	30W	18W	12W

※ As a PoE Injector, Max. Power Output is 35W (using DC 48V Adaptor)

Max. Power Output (Using PoE)

Power Input	PoE				PoE+			
Number of SC-IPE3001 (EA)	1	2	3	4	1	2	3	4
100Mbps/100m (Max. Power Output)	14W	10W	6W	3W	25W	20W	14W	9W

Max. Power Output (Using DC Adaptor / PoE)

Power Input	DC 48V		DC 56V		PoE		PoE+	
Number of SC-IPE3001 (EA)	1	2	1	2	1	2	1	2
10Mbps/250m (Max. Power Output)	15W	6W	28W	13W	7W	3W	13W	8W

Specifications

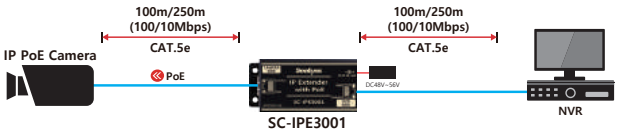
MODEL			SC-IPE3001
Power Input	DC		DC 48V or DC 56V Adaptor
	PoE		PoE IEEE 802.3af / 802.3at, Endspan / Midspan (Mode A / Mode B)
PoE Output			Midspan only (Mode B)
Power Consumption			Max. 0.5W
Max. Transmission Distance			In 100Mbps : Max. 100m(CAT.5e)
			In 10Mbps : Max. 250m(CAT.5e)
Transmission Bandwidth			10/100Mbps (Full duplex)
RJ-45 Connector Pin Assignment(Polarity)			1Pin: TX(+), 2Pin: TX(-), 3Pin: RX(+), 4Pin: PWR(+)
			5Pin: PWR(+), 6Pin: RX(-), 7Pin: PWR(-), 8Pin: PWR(-)
LED Indicator	CAMERA SIDE	Yellow	ON : Power Input, OFF : No Power Input
		Green	ON : Connected to Camera, Flicker : Normal Data Transmission, OFF : No Data Transmission
	NVR SIDE	Yellow	ON : Power Input, OFF : No Power Input
		Green	ON :Connected to NVR, Flicker : Normal Data Transmission, OFF : No Data Transmission
Bandwidth Switch			Adjust Transmission Speed (100Mbps, 10Mbps)
Connection Port	CAMERA SIDE		RJ-45 1Port (TIA/EIA568B Type)
	NVR SIDE		RJ-45 1Port (TIA/EIA568B Type)
	POWER		DC JACK
Temperature / Humidity			-10°C~+50°C / 0 ~ 80%
Case Body / Weight			Aluminum / 64g
Dimensions(mm)			88(W) x 42(H) x 25(D) mm

Bandwidth Switch

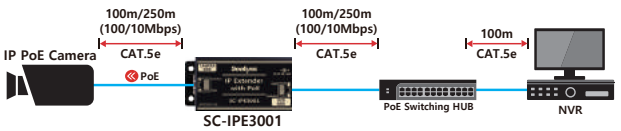
100Mbps (OFF)	10Mbps (ON)
100m	250m

Application Diagrams

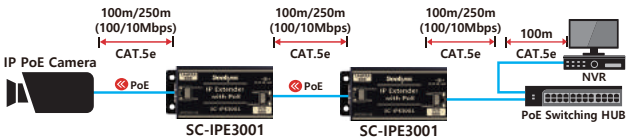
■ Basic Connection with Receiving Power from DC 48V~56V Adapter



■ Basic Connection with Receiving power from PoE Switching HUB



■ Multiple Connection with 2pcs of SC-IPE3001- 100Mbps(100m) / 10Mbps(250m)

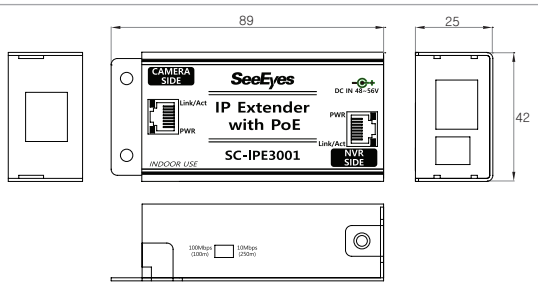


※ If the bandwidth exceeds 10Mbps after setting the switch to 10Mbps, there may be a problem with the video.

■ Use SC-IPE3001 as a PoE Injector - 10Mbps(250m) / 15W(DC 48V)

※ When setting Bandwidth Switch as 100Mbps : Transmit up to 100m (CAT.5e)
When setting Bandwidth Switch as 10Mbps : Transmit up to 250m (CAT.5e)

Dimensions



SC-IPH3002

2 In 1 PoE Extender

SC-IPH3002 is a network transmission device that can extend PoE and data range. This product can easily expand LAN cable in existing Ethernet environment where existing IP camera is installed. This product enables power supply to camera with its built-in PoE (Power Over Ethernet) function, which eliminates the need of installing separate power cable. Also, it is able to reduce construction period and costs by using LAN cable only. In addition, this product is able to send video signals from the camera to the receiver device via LAN cable.

Features

- Extend PoE and Ethernet data transmission distance (up to 100 ~ 250m)
- Built-in PoE distribution function with PoE input
  - Able to configure 2 PoE IP cameras by 1 UTP(CAT.5e) cable
- Install additional IP cameras and extend transmission distance by multiple use of SC-IPH3002 (linear network configuration)
- Transmission bandwidth(MAX) : 10/100Mbps(Full Duplex)
- Auto MDI/MDIX
- Extend transmission distance by setting bandwidth switch (100Mbps/10Mbps)
  - 100Mbps : Max. 100m (CAT.5e) / 10Mbps : Max. 250m (CAT.5e)
- Built-in surge protection circuit

NEW

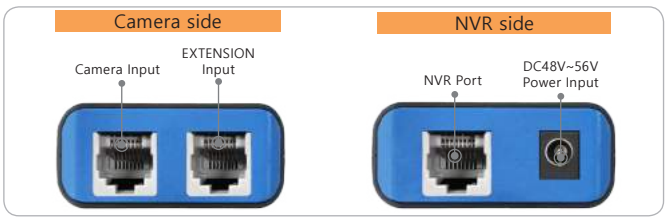
[SC-IPH3002]

PoE Camera Power Consumption (Max. Power Output)

Adapter	PoE Camera #1	PoE Camera #2	PoE Camera #3
DC 48V	6W	9.5W	23.8W
DC 56V	9.2W	13W	29W

※ Based on DC Adaptor 48V 1.0A, 56V 1.11A

SC-IPH3002 Interface



Specifications

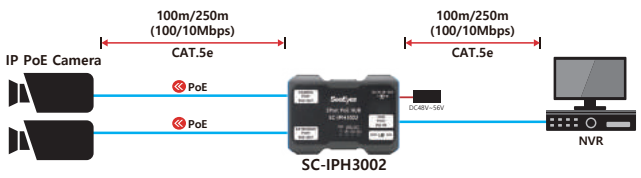
MODEL		SC-IPH3002
Power Input	DC	DC 48V or DC 56V Adaptor
	PoE	PoE IEEE 802.3af / 802.3at, Endspan / Midspan (Mode A / Mode B)
PoE Output	EXT Port	Max 30W, Standard PoE , IEEE802.3 af/at Mode A
	CAM Port	Max 30W, Standard PoE , IEEE802.3 af/at Mode A
Power Consumption		Max. 1W (No-load Condition)
Max. Transmission Distance		In 100Mbps : Max. 100m(CAT.5e)
		In 10Mbps : Max. 250m(CAT.5e)
Connection Port	NVR Port	RJ-45 1Port (TIA/EIA568B Type)
	EXT Port	RJ-45 1Port (TIA/EIA568B Type)
	CAM Port	RJ-45 1Port (TIA/EIA568B Type)
RJ-45 Connector		1Pin : TX(+), PWR(+) / 2Pin : TX(-), PWR(+) 3Pin : RX(+), PWR(-) / 6Pin : RX(-), PWR(-)
LED Indicator	PWR. LED	RED Flicker : Power Input, OFF: No Power Input
	EXT. LED	GREEN Flicker : Video Data Input, OFF: No Video Data Input
	CAM LED	GREEN Flicker : Video Data Input, OFF: No Video Data Input
	NVR LED	GREEN Flicker : Video Data Input, OFF: No Video Data Input
Bandwidth Switch		Adjust Transmission Speed (100Mbps, 10Mbps)
Transmission Bandwidth (Max.)		10/100Mbps (Full duplex)
Temperature / Humidity		-10°C ~ +50°C / 0 ~ 80%
Case Body / Weight		ABS / 52g
Dimensions(mm)		77(W) x 55(H) x 24(D)mm

Bandwidth Switch

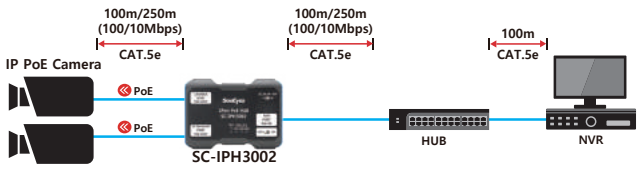
100Mbps (OFF)	10Mbps (ON)
100m	250m

Application Diagrams

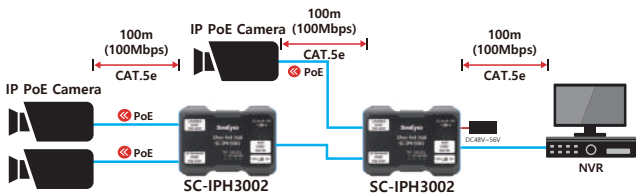
■ Basic Connection with Receiving Power from DC 48V~56V Adapter



■ Basic Connection with Receiving power from PoE Switching HUB



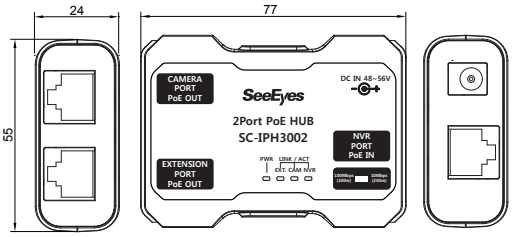
■ Multiple Connection with 2pcs of SC-IPH3002 - 100Mbps(100m)



※ If the bandwidth exceeds 10Mbps after setting the switch to 10Mbps, there may be a problem with the video.

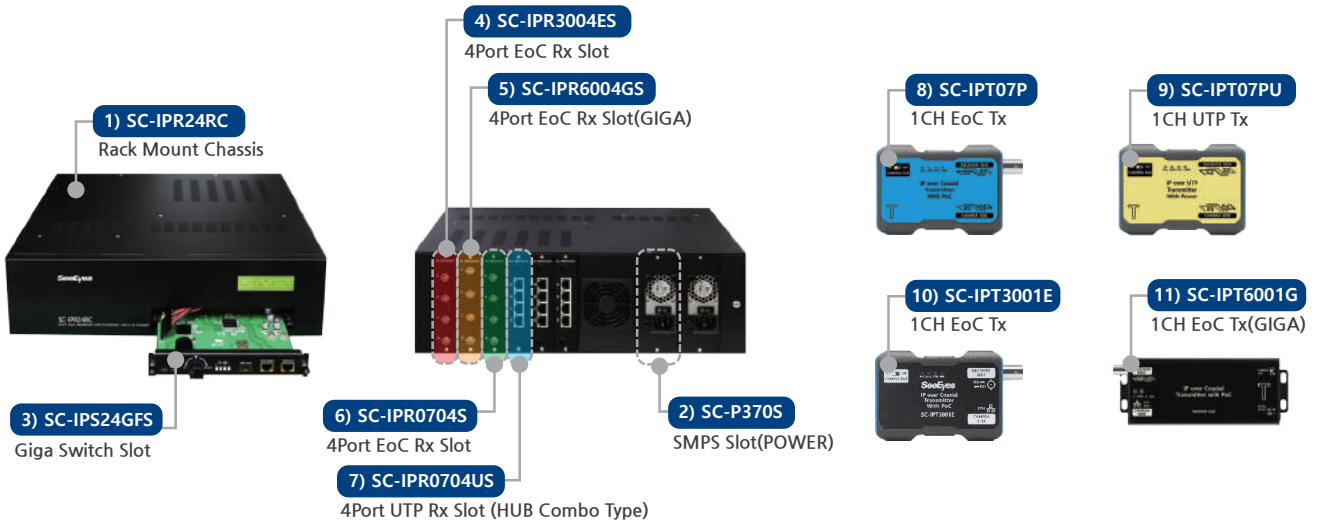
※ When setting Bandwidth Switch as 100Mbps : Transmit up to 100m (CAT.5e)
When setting Bandwidth Switch as 10Mbps : Transmit up to 250m (CAT.5e)

Dimensions



24-Port Integrated Slot Type IP Transmission System

Model Numbers and Features



Item			Product No. (Model No.)		Specifications	SC-IPC3024M1 (EoC)	SC-IPC6024M2 (GIGA EoC)	NEW SC-IPC3024M5 (EoC)	NEW SC-IPC3024M6 (EoU/HUB)	SC-IPC3024M (Integrated Type)
						Default SET	Default SET	Default SET	Default SET	Slot Selectable
Main Rack Mount	Default Com ponents	1	Rack Mount (SC-IPR24RC)		- Receiver Slot * 6EA - Giga Switch Slot * 1EA - Power Slot * 1EA + (1EA) - 19"Rack (430(W) x 132(H) x 350(D)mm)	1EA	1EA	1EA	1EA	1EA
		1-1	Rack Handle & Rack Bracket		- Rack Handle * 2EA - Rack Bracket * 2EA	2EA				
Module (Slot Type)		2	SMPS Slot (SC-P370S)		- 370W - Dual Power (Max. 740W)	1EA (Default) + 1EA (Option)	2EA (Default)	1EA (Default) + 1EA (Option)	1EA (Default) + 1EA (Option)	1EA (Default) + 1EA (Option)
		3	Giga Switch Slot (SC-IPS24GFS)		- RJ-45 * 2 Port (Giga) - SFP * 1 Port (Giga)	1EA	1EA	1EA	1EA	1EA
	Selectable Com- ponents	4	4Port EoC Rx Slot (SC-IPR3004ES)		- 1.8km (RG-6) - 200Mbps - PoE (Max. 30W)	6EA	-	-	-	1~6EA (Slot Selectable)
		5	4Port EoC Rx Slot (SC-IPR6004GS)		- 1.2km (RG-6) - 1Gbps - PoE (Max. 60W)	-	6EA	-	-	1~6EA (Slot Selectable)
		NEW 6	4Port EoC Rx Slot (SC-IPR0704S)		- 1km/500m(RG-6) - 10/100Mbps - PoE (Max. 30W)	-	-	6EA	-	1~6EA (Slot Selectable)
		NEW 7	4Port UTP Rx Slot (SC-IPR0704US) - HUB Combo Type		- 800m/500m(CAT.5e) - 10/100Mbps - PoE (Max. 12W)	-	-	-	6EA	1~6EA (Slot Selectable)
		NEW 8	1CH EoC Tx (SC-IPT07P)		- Transmitter for SC-IPR0704S	-	-	24EA	-	1~24EA (Slot Selectable)
		NEW 9	1CH UTP Tx (SC-IPT07PU)		- Transmitter for SC-IPR0704US	-	-	-	24EA	1~24EA (Slot Selectable)
		10	1CH EoC Tx (SC-IPT3001E)		- Transmitter for SC-IPR3004ES	24EA	-	-	-	1~24EA (Slot Selectable)
		11	1CH GIGA EoC Tx (SC-IPT6001G)		- Transmitter for SC-IPR6004GS	-	24EA	-	-	1~24EA (Slot Selectable)

SC-IPC3024M1

Integrated 24-port slot type
Ethernet + PoE via coaxial transmission

SC-IPC3024M1 is a 24-channel transmission kit for the EoC system (Ethernet over Coaxial). PoE & PoC are also supported. It can transmit multiple camera data to the NVR, which can reduce the installation cost and the construction cost. This set is suitable for longer transmission distances of up to 1.8km(RG-6).

Features

- Transmit 'Ethernet data + Power(PoE)' over Coax. cable
- Ethernet data transmission up to 1.8km over RG-6
- Enable supplying power(PoE) to a PoE camera (~30W)
- Transmission bandwidth (Max.) : 200Mbps(PHY Rate) / 75Mps(TCP Rate)
- PoE ON/OFF switch mounted on the transmitter (SC-IPT3001E)
- Built-in GIGA HUB (RJ-45 * 2PORT, SFP Port * 1)
- Cost-effective solution by keeping existing Coax. cables
- Reduce the construction cost and period with no need of any separate power lines (Power over Coax.)
- Built-in all channel Auto Pairing function for prevention of interference and safe transmission
- All channel auto encryption (128bit AES)
- LCD Display mounted on the main front body for status monitoring
- Auto diagnosis function for stable power supply, built-in surge protection circuit (10KV)
- Support RS-485, SNMP(option) for remote control
- Support protocol for power, link, data diagnose and control (option)
- SLOT Type sub-frame rack for easy expansion and maintenance
  - 4 BNC port per each SLOT (Max. 24CH)
- Dual-power with additional SLOT type power supplying unit (option)

Device Manager

[SC-IPT3001E]

NEW

[SC-IPR3024M1]

[Front]

※ SC-IPS24GFS Slot Equipped Image
※ SC-IPT3001E X 24EA / IPR3024M1 X 1EA Included

[Rear]

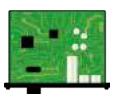
※ EoC Slot(SC-IPR3004ES),
POWER Slot (SC-P370S) Equipped Image

Specifications

MODEL		SC-IPT3001E
Digital Transmission Bandwidth (Max.)		PHY Rate 200Mbps
Power Consumption (Max.)		2W
Output Power		Midspan PoE
Max. Power Supply		30W
Max. Transmission Distance (RG-6)		1.8km @ Up to 20Mbps
Temperature / Humidity		-20°C ~ +50°C / 0 ~ 80%
Case Body / Weight		ABS / 60g
Dimension(mm)		90(W) x 55(H) x 24(D)
MODEL		**SC-IPR3024M1**
Power Input		AC 100 ~ 240V
Power Consumption		Max 370W (Including Camera Supplying Power)
Power Specification		Dual Power (370W + 370W(Option))
Max. Transmission Distance (RG-6)		1.8km @ Up to 20Mbps, Full duplex (with SC-IPR3004ES)
Transmission Bandwidth (RG-6)		PHY Rate 200Mbps(with SC-IPR3004ES)
Connection Port	Tx Side	BNC-F, 75Ω x 4(per Slot), Max 6 Slots (EoC SLOT)
	NVR Side	RJ-45 (TIA/EIA568B Type) x 2
	SFP Port	SFP Connector x 1(SFP Module : option)
Status Indicator		LCD Display (76*25.2), (20*4 Character)
Temperature / Humidity		-10°C ~ +50°C / 0 ~ 80%
Case Body / Weight		Steel / 6kg
Dimension(mm)		430(W) x 132(H) x 350(D)

SC-IPR3024M1 Slots

Rack Mount Chassis
[SC-IPR24RC]

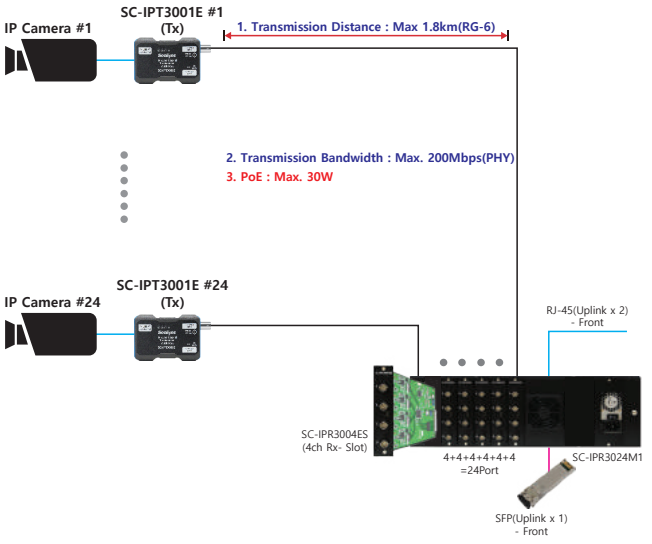


Giga Switch Slot
[SC-IPS24GFS]

EoC Slot
[SC-IPR3004ES]

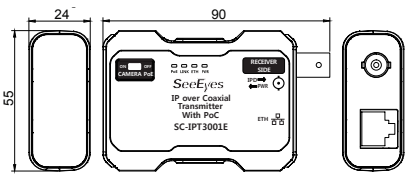
POWER Slot
[SC-P370S]

Application Diagram

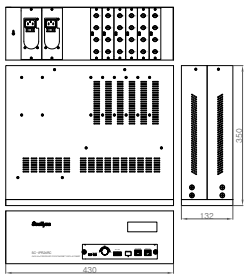


Dimensions

[SC-IPT3001E]



[SC-IPR3024M1]



SC-IPC3024M5

Integrated 24-port slot type
Ethernet + PoE via coaxial full duplex transmission

SC-IPC3024M5 is a 24-channel transmission kit for the EoC system (Ethernet over Coaxial). PoE & PoC are also supported. It can transmit multiple camera data to the NVR, which can reduce the installation cost and the construction cost. The transmission bandwidth is 100Mbps, Full Duplex. This set is suitable for high resolution cameras and minimum latency transmission(fixed 1ms) for up to 1km(RG-6).

Features

- Transmit 'Ethernet data + Power(PoE)' over Coax. cable
- Long distance Network Data transmission (RG-6)
  - 100Mbps : Max. 500m
  - 10Mbps : Max. 1km
- Built-in 10/100Mbps switch for optimizing transmission bandwidth by distance
- Enable supplying power(PoE) to a PoE camera (~30W)
- Transmission bandwidth (Max.) : 10/100Mbps
- PoE ON/OFF switch mounted on the transmitter (SC-IPT07P)
- Built-in GIGA HUB (RJ-45 * 2PORT, SFP Port * 1)
- Cost-effective solution by keeping existing Coax. cables
- Reduce the construction cost and period with no need of any separate power lines (Power over Coax.)
- LCD Display mounted on the main front body for status monitoring
- Auto diagnosis function for stable power supply, built-in surge protection circuit (10KV)
- Support RS-485, SNMP(option) for remote control
- Support protocol for power, link, data diagnose and control (option)
- SLOT Type sub-frame rack for easy expansion and maintenance
  - 4 BNC port per each SLOT (Max. 24CH)
- Dual-power with additional SLOT type power supplying unit (option)

Device Manager

NEW [SC-IPT07P]

NEW [SC-IPR3024M5]

[Front]

※ SC-IPS24GFS Slot Equipped Image
※ SC-IPT07P X 24EA / IPR3024M5 X 1EA Included

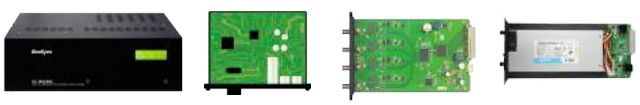
[Rear]

※ EoC Slot(SC-IPR0704S),
POWER Slot (SC-P370S) Equipped Image

Specifications

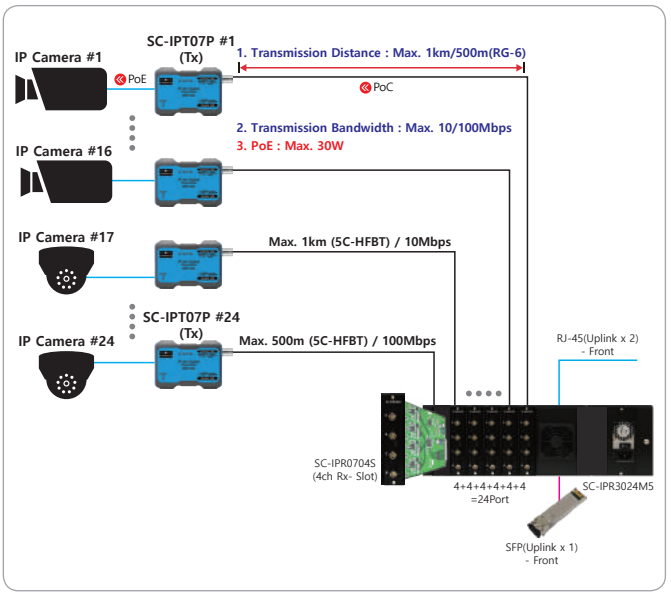
MODEL		SC-IPT07P
Digital Transmission Bandwidth (Max.)		TCP Rate : 100Mbps(SC-IPR07P 100Mbps Mode)
Power Consumption (Max.)		2W
Output Power		Midspan PoE
Max. Power Supply		30W
Max. Transmission Distance (RG-6)		500m(100Mbps), 1km(10Mbps)
Temperature / Humidity		-10℃ ~ +50℃ / 0 ~ 80%
Case Body / Weight		ABS / 60g
Dimension(mm)		90(W) x 55(H) x 24(D)
MODEL		**SC-IPR3024M5**
Power Input		AC 100 ~ 240V
Power Consumption		Max. 370W (Including Camera Supplying Power)
Power Specification		Dual Power (370W + 370W(Option))
Max. Transmission Distance (RG-6)		1km @ Up to 10Mbps, 500m @ Up to 100Mbps Full duplex (with SC-IPR0704S)
Transmission Bandwidth (RG-6)		10/100Mbps(with SC-IPR0704S)
Connection Port	Tx Side	BNC-F, 75Ω x 4(per Slot), Max 6 Slots (EoC SLOT)
	NVR Side	RJ-45 (TIA/EIA568B Type) x 2
	SFP Port	SFP Connector x 1(SFP Module : option)
Status Indicator		LCD Display (76*25.2), (20*4 Character)
Temperature / Humidity		-10℃ ~ +50℃ / 0 ~ 80%
Case Body / Weight		Steel / 6kg
Dimension(mm)		430(W) x 132(H) x 350(D)

SC-IPR3024M5 Slots



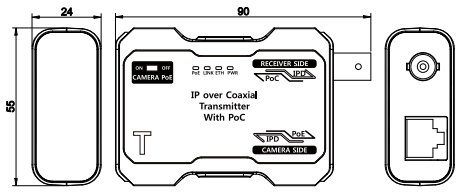
Rack Mount Chassis [SC-IPR24RC]
Giga Switch Slot [SC-IPS24GFS]
EoC Slot [SC-IPR0704S]
POWER Slot [SC-P370S]

Application Diagram

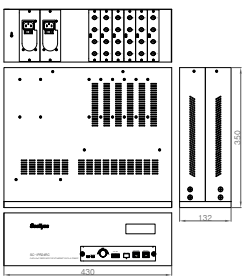


Dimensions

[SC-IPT07P]



[SC-IPR3024M5]



SC-IPC3024M6

Integrated 24-port slot type
Ethernet + PoE via UTP full duplex transmission

SC-IPC3024M6 is a 24-channel transmission Hub type kit for the EoU system (Ethernet over UTP). PoE is also supported. It can transmit multiple camera data to the NVR, which can reduce the installation cost and the construction cost. The transmission bandwidth is 100Mbps, Full Duplex. This set is suitable for high resolution cameras for up to 800m(10Mbps).

Features

- Transmit 'Ethernet data + Power(PoE)' over UTP cable
- Ethernet data transmission up to 800m over CAT.5e
- Enable supplying power(PoE) to a PoE camera (~30W)
- Transmission bandwidth (Max.) : 10/100Mbps
- Combo type
  - Use as a EoU(Ethernet over UTP) device with transmitter (SC-IPT07PU)
  - Or use as a HUB without transmitter (SC-IPT07PU)
- PoE ON/OFF switch mounted on the transmitter (SC-IPT07PU)
- Built-in GIGA HUB (RJ-45 * 2PORT, SFP Port * 1)
- LCD Display mounted on the main front body for status monitoring
- Auto diagnosis function for stable power supply, built-in surge protection circuit (10KV)
- Support RS-485, SNMP(option) for remote control
- Support protocol for power, link, data diagnose and control (option)
- SLOT Type sub-frame rack for easy expansion and maintenance
  - 4 BNC port per each SLOT (Max. 24CH)
- Dual-power with additional SLOT type power supplying unit (option)

Device Manager

NEW [SC-IPT07PU]

NEW [SC-IPR3024M6]

[Front]

[Rear]

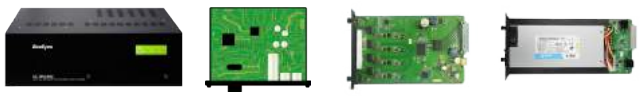
※ SC-IPS24GFS Slot Equipped Image
※ SC-IPT07PU X 24EA / IPR3024M6 X 1EA Included

※ EoU Slot(SC-IPR0704US), POWER Slot (SC-P370S) Equipped Image

Specifications

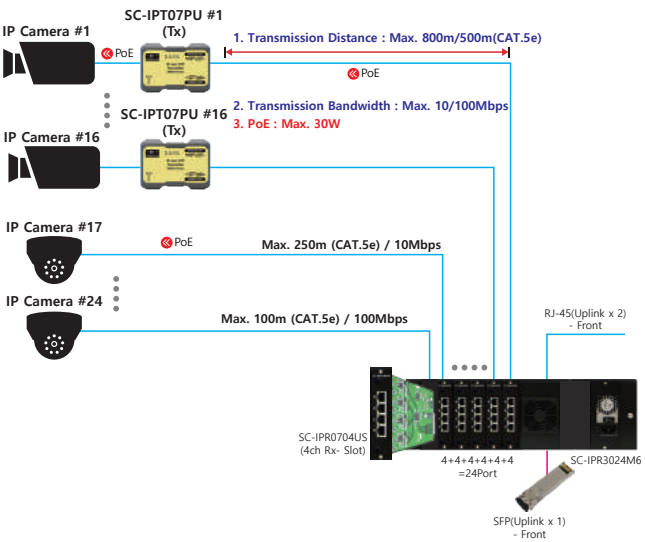
MODEL		SC-IPT07PU
Digital Transmission Bandwidth (Max.)		TCP Rate : 100Mbps(SC-IPR07PU 100Mbps Mode)
Power Consumption (Max.)		2W
Output Power		Midspan PoE
Max. Power Supply		30W
Max.Transmission Distance (CAT.5e)		500m(100Mbps), 800m(10Mbps)
Temperature / Humidity		-10℃ ~ +50℃ / 0 ~ 80%
Case Body / Weight		ABS / 52g
Dimension(mm)		76(W) x 55(H) x 24(D)
MODEL		SC-IPR3024M6
Power Input		AC 100 ~ 240V
Power Consumption		Max. 370W (Including Camera Supplying Power)
Power Specification		Dual Power (370W + 370W(Option))
Max. Transmission Distance (CAT.5e)		800m @ Up to 10Mbps, 500m @ Up to 100Mbps Full duplex (with SC-IPR0704US)
Transmission Bandwidth (CAT.5e)		10/100Mbps(with SC-IPR0704US)
Connection Port	Tx Side	RJ-45 x 4(per Slot), Max. 6 Slots
	NVR Side	RJ-45 (TIA/EIA568B Type) x 2
	SFP Port	SFP Connector x 1(SFP Module : option)
Status Indicator		LCD Display (76*25.2), (20*4 Character)
Temperature / Humidity		-10℃ ~ +50℃ / 0 ~ 80%
Case Body / Weight		Steel / 6kg
Dimension(mm)		430(W) x 132(H) x 350(D)

SC-IPR3024M6 Slots



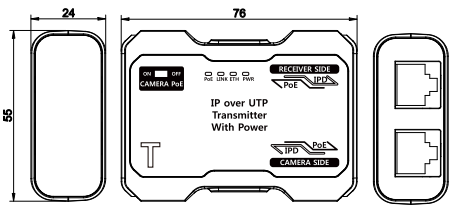
Rack Mount Chassis [SC-IPR24RC]
Giga Switch Slot [SC-IPS24GFS]
EoC Slot [SC-IPR0704US]
POWER Slot [SC-P370S]

Application Diagram

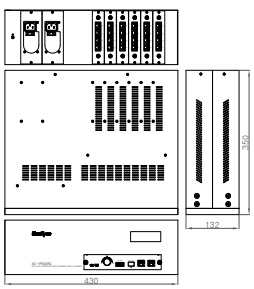


Dimensions

[SC-IPT07PU]



[SC-IPR3024M6]



SC-IPS08P

8 Port PoE Switch Hub
- Junction Box Type

SC-IPS08P is an 8-port PoE switch hub that delivers PoE (IEEE802.3at / IEEE802.3af) to IP PoE cameras. With 2 RJ-45 ports and 1 SFP Gigabit uplink port, it transmits multi-channel Ethernet data to an NVR or a server in real time. It is designed for convenient maintenance due to the availability of remote control via SNMP (option) or RS-485 communication.

Features

- PoE Switch Hub with 8 ports
  - Wall mounted junction box type for easy maintenance and diagnosis
- Supplies power(PoE, PoE+) to IP cameras
- Built-in giga uplink Port (RJ-45 * 2, SFP * 1)
- Remote status check and control with SNMP (option)
- Remote control via RS-485 port (Reset, On/Off available)
- Built-in LED status indicator for each port
- Automatic recovery function in case of device failure (auto reset)
- Solid ABS type case for stable and easy installation
- Built-in 10/100Mbps bandwidth switch(extension switch) for transmission bandwidth optimization
  - 100Mbps: Max. 100m (CAT.5e) / 10Mbps: Max. 250m (CAT.5e)
- Built-in surge protection circuit
- Exclusive 'Device Manager' software: Status monitoring and remote control of the connected network device
  (※ Optional Manager program license is available.)

Device Manager

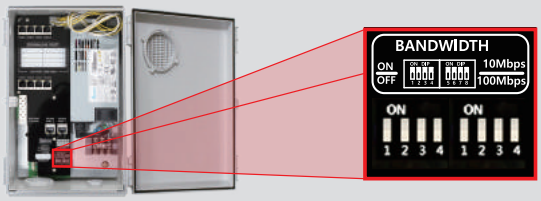
NEW

[SC-IPS08P]

[Front]

[Inside]

SC-IPS08P Inside



[SC-IPS08P Inside]
1. Connector arrangement for easy operation at the front of the product
2. Status LED indicator
3. IP List for easy maintenance

[Bandwidth Switch]
1. Enable setting for each port
2. 100Mbps : Max. 100m (CAT.5e) / 10Mbps : Max. 250m (CAT.5e)

Specifications

MODEL			SC-IPS08P
Power Input			AC 100V~240V / 6A
PoE Output			55V/4A (Max. 30W/Port, Total Max. 220W)
PoE Standard			PoE IEEE 802.3 af/at Endspan(Type A)
Power Consumption			4.4W
Transmission Distance (Max.)		10Mbps	Max. 250m by CAT.5e (Switch ON)
		100Mbps	Max. 100m by CAT. 5e (Default / Switch OFF)
Transmission Bandwidth (Max.)		Camera Side (Downlink)	10/100Mbps (Full duplex)
		NVR Side (Uplink)	1000Mbps (Full duplex)
RJ-45 Connector Pin Assignment (Polarity)		Uplink	1Pin : BI_DA+, 2Pin : BI_DA-, 3Pin : BI_DB+, 4Pin : BI_DC-, 5Pin : BI_DC+, 6Pin : BI_DB-, 7Pin : BI_DD+, 8Pin : BI_DD-
		Downlink	1Pin: TX(+) / PWR(+), 2Pin: TX(-) / PWR(+), 3Pin: RX(+) / PWR(-), 6Pin: RX(-) / PWR(-)
LED Display	Camera Side (Downlink)	Yellow (PoE)	ON : Power Input, OFF : Not used
		Green (Link/Act)	ON : Link connected, Blinking : Data In/Output, OFF : No Link connected
	NVR Side (Uplink)	Yellow (Link)	ON : Connected to NVR or external network device OFF : Not connected to NVR or external network device
		Green (Act)	Blinking : Data In/Output, OFF : No Data Input
	SFP Port	Green	ON : Link connected, Blinking : Data In/Output, OFF : No Link connected
Connection Port	Camera/NVR Side		RJ-45 8 / 2 ports (TIA / EIA568B Type)
	SFP Port		SFP Connector 1Port
	RS-485		Terminal Block 4Pin
Temperature / Humidity			-10℃ ~ +45℃ / 0 ~ 70%
Case Body / Weight			ABS / 2.7Kg
Dimensions(mm)			200(W) x 300(H) x 130(D)

Device Manager Program - DM016

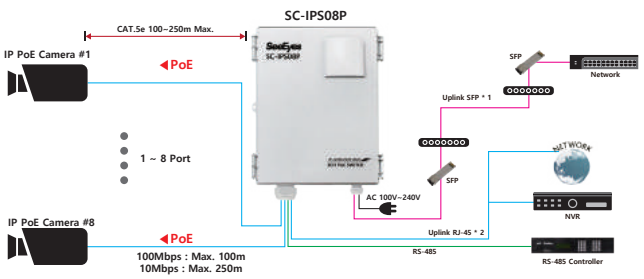
■ IPS Series Monitoring

[SC-IPS08P]

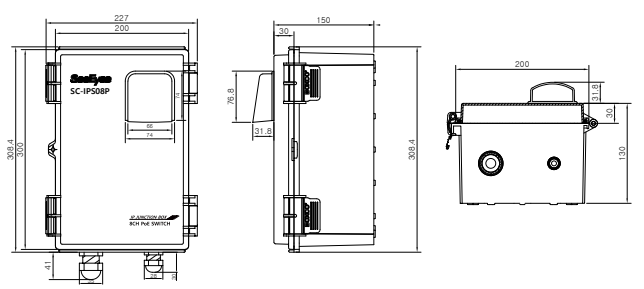
[SC-IPS24P]

■ E-MAP Configuration

Application Diagram



Dimensions



SC-IPS16P

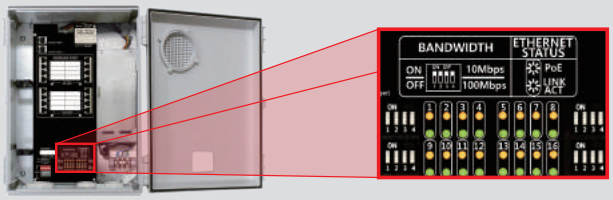
16 Port PoE Switch Hub
- Junction Box Type

SC-IPS16P is a 16-port PoE switch hub that supplies PoE (IEEE802.3at / IEEE802.3af) to IP PoE cameras. With 2 RJ-45 ports and 2 SFP Gigabit uplink port, it transmits multi-channel Ethernet data to an NVR or a server in real time. It is designed for convenient maintenance due to the availability of remote control via SNMP (option) or RS-485 communication.

Features

- PoE Switch Hub with 16 ports
  - Wall mounted junction box type for easy maintenance and diagnosis
- Supplies power(PoE, PoE+) to IP cameras
- Built-in giga uplink Port (RJ-45 * 2, SFP * 2)
- Remote status check and control with SNMP (option)
- Remote control via RS-485 port (Reset, On/Off available)
- Built-in LED status indicator for each port
- Automatic recovery function in case of device failure (auto reset)
- Solid ABS type case for stable and easy installation
- Built-in 10/100Mbps bandwidth switch(extension switch) for transmission bandwidth optimization
  - 100Mbps: Max. 100m (CAT.5e) / 10Mbps: Max. 250m (CAT.5e)
- Built-in surge protection circuit
- Built-in FDF (Fiber Distribution Frame)
- Exclusive 'Device Manager' software: Status monitoring and remote control of the connected network device
  (※ Optional Manager program license is available.)

SC-IPS16P Inside



[SC-IPS16P Inside]
1. Connector arrangement for easy operation at the front of the product
2. Status LED indicator
3. IP List for easy maintenance
4. Built-in FDF (Fiber Distribution Frame)

[Bandwidth Switch]
1. Enable setting for each port
2. 100Mbps : Max. 100m (CAT.5e) / 10Mbps : Max. 250m (CAT.5e)

Specifications

MODEL			SC-IPS16P
Power Input			AC 100V~240V / 6A
PoE Output			53V/6.99A(Max. 30W/Port, Total Max. 370W)
PoE Standard			PoE IEEE 802.3 af/at Endspan(Type A)
Power Consumption			12.9W
Transmission Distance (Max.)		10Mbps	Max. 250m by CAT.5e (Switch ON)
		100Mbps	Max. 100m by CAT. 5e (Default / Switch OFF)
Transmission Bandwidth (Max.)		Camera Side (Downlink)	10/100Mbps (Full duplex)
		NVR Side (Uplink)	1000Mbps (Full duplex)
RJ-45 Connector Pin Assignment (Polarity)		Uplink	1Pin : BI_DA+, 2Pin : BI_DA-, 3Pin : BI_DB+, 4Pin : BI_DC-, 5Pin : BI_DC+, 6Pin : BI_DB-, 7Pin : BI_DD+, 8Pin : BI_DD-
		Downlink	1Pin : TX(+) / PWR(+), 2Pin : TX(-) / PWR(+), 3Pin : RX(+) / PWR(-), 6Pin : RX(-) / PWR(-)
LED Display	Camera Side (Downlink)	Yellow (PoE)	ON : Power Input, OFF : Not used
		Green (Link/Act)	ON : Link connected, Blinking : Data In/Output, OFF : No Link connected
	NVR Side (Uplink)	Yellow (Link)	ON : Connected to NVR or external network device OFF : Not connected to NVR or external network device
		Green (Act)	Blinking : Data In/Output, OFF : No Data Input
	SFP Port	Green	ON : Link connected, Blinking : Data In/Output, OFF : No Link connected
Connection Port	Camera/NVR Side		RJ-45 16 / 2 ports (TIA / EIA568B Type)
	SFP Port		SFP Connector 2Port
	RS-485		Terminal Block 4Pin
Temperature / Humidity			-10℃ ~ +45℃ / 0 ~ 70%
Case Body / Weight			ABS / 4.3Kg
Dimensions(mm)			300(W) x 400(H) x 160(D)

Device Manager

NEW

[SC-IPS16P]

[Front]

[Inside]

Device Manager Program - DM016

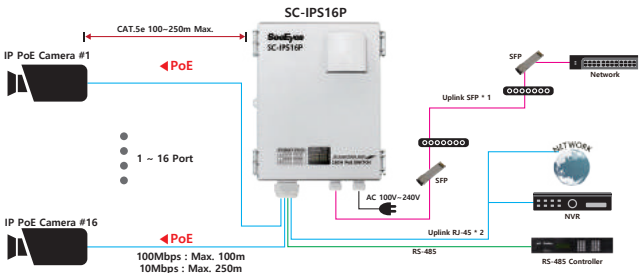
■ IPS Series Monitoring

[SC-IPS08P]

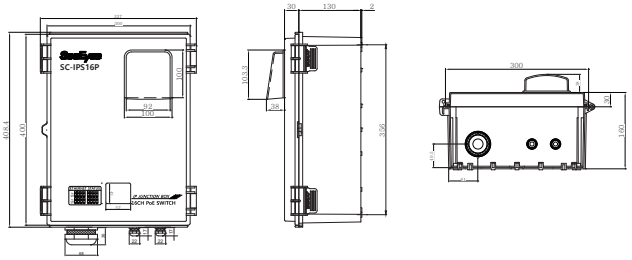
[SC-IPS24P]

■ E-MAP Configuration

Application Diagram



Dimensions



SC-IPS24P

24 Port PoE Switch Hub
- Junction Box Type

SC-IPS24P is a 24-port PoE switch hub that supplies PoE (IEEE802.3at / IEEE802.3af) to IP PoE cameras. With 2 RJ-45 ports and 2 SFP Gigabit uplink port, it transmits multi-channel Ethernet data to an NVR or a server in real time. It is designed for convenient maintenance due to the availability of remote control via SNMP (option) or RS-485 communication.

Features

- PoE Switch Hub with 24 ports
  - Wall mounted junction box type for easy maintenance and diagnosis
- Supplies power(PoE, PoE+) to IP cameras
- Built-in giga uplink Port (RJ-45 * 2, SFP * 2)
- Remote status check and control with SNMP (option)
- Remote control via RS-485 port (Reset, On/Off available)
- Built-in LED status indicator for each port
- Automatic recovery function in case of device failure (auto reset)
- Solid ABS type case for stable and easy installation
- Built-in 10/100Mbps bandwidth switch(extension switch) for transmission bandwidth optimization
  - 100Mbps: Max. 100m (CAT.5e) / 10Mbps: Max. 250m (CAT.5e)
- Built-in surge protection circuit
- Built-in FDF (Fiber Distribution Frame)
- Exclusive 'Device Manager' software: Status monitoring and remote control of the connected network device
  (※ Optional Manager program license is available.)

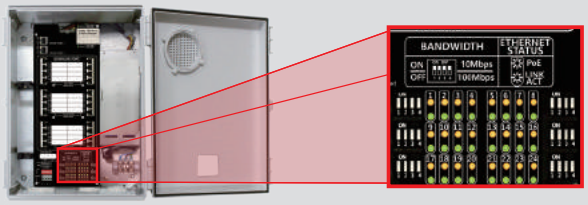
Device Manager

NEW

[SC-IPS24P]
[Front]

[Inside]

SC-IPS24P Inside



[SC-IPS24P Inside]
1. Connector arrangement for easy operation at the front of the product
2. Status LED indicator
3. IP List for easy maintenance
4. Built-in FDF (Fiber Distribution Frame)

[Bandwidth Switch]
1. Enable setting for each port
2. 100Mbps : Max. 100m (CAT.5e) / 10Mbps : Max. 250m (CAT.5e)

Specifications

MODEL			SC-IPS24P
Power Input			AC 100V~240V / 6A
PoE Output			53V/6.99A(Max. 30W/Port, Total Max. 370W)
PoE Standard			PoE IEEE 802.3 af/at Endspan(Type A)
Power Consumption			17.6W
Transmission Distance (Max.)		10Mbps	Max. 250m by CAT.5e (Switch ON)
		100Mbps	Max. 100m by CAT. 5e (Default / Switch OFF)
Transmission Bandwidth (Max.)		Camera Side (Downlink)	10/100Mbps (Full duplex)
		NVR Side (Uplink)	1000Mbps (Full duplex)
RJ-45 Connector Pin Assignment (Polarity)		Uplink	1Pin : BI_DA+, 2Pin : BI_DA-, 3Pin : BI_DB+, 4Pin : BI_DC-, 5Pin : BI_DC+, 6Pin : BI_DB-, 7Pin : BI_DD+, 8Pin : BI_DD-
		Downlink	1Pin : TX(+) / PWR(+), 2Pin : TX(-) / PWR(+), 3Pin : RX(+) / PWR(-), 6Pin : RX(-) / PWR(-)
LED Display	Camera Side (Downlink)	Yellow (PoE)	ON : Power Input, OFF : Not used
		Green (Link/Act)	ON : Link connected, Blinking : Data In/Output, OFF : No Link connected
	NVR Side (Uplink)	Yellow (Link)	ON : Connected to NVR or external network device OFF : Not connected to NVR or external network device
		Green (Act)	Blinking : Data In/Output, OFF : No Data Input
	SFP Port	Green	ON : Link connected, Blinking : Data In/Output, OFF : No Link connected
Connection Port	Camera/NVR Side		RJ-45 24 / 2 ports (TIA / EIA568B Type)
	SFP Port		SFP Connector 2Port
	RS-485		Terminal Block 4Pin
Temperature / Humidity			-10℃ ~ +45℃ / 0 ~ 70%
Case Body / Weight			ABS / 4.7Kg
Dimensions(mm)			300(W) x 400(H) x 160(D)

Device Manager Program - DM016

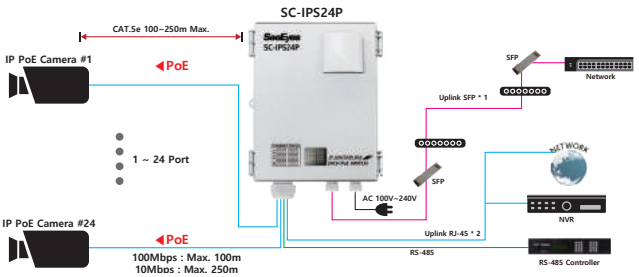
IPS Series Monitoring

[SC-IPS08P]

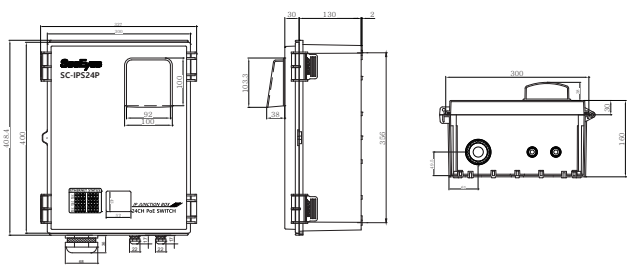
[SC-IPS24P]

E-MAP Configuration

Application Diagram



Dimensions



SC-IPC1201TW

2-wire IP + PoE

SC-IPC1201TW consists of SC-IPT1201TW (transmitter) and SC-IPR1201TW (receiver). The transmission of IP signals over long distances is possible via 2-wire for power and communication. In addition, it is possible to power the camera by PoE, eliminating the need for a separate power line, shortening the construction time and reducing the construction cost.

Features

- Long-distance transmission of power and network data is possible with a 2-wire type for power and communication
- Supports transmission bandwidth of up to 1Giga bps
- Elevator T-cable: 300m (100Mbps), UTP-1p cable: 400m (100Mbps)
- Possible to supply power for IP PoE camera operation (PoE Type B support)
- Reduces installation cost and construction period as there is no need to install power lines thanks to PoE
- Safe power transmission with automatic line diagnosis function
- PoE ON / OFF Switch mounted on the transmitter
- Built-in pairing function for line interference prevention and safe transmission
- Built-in surge protection circuit

Coming soon! ※ specs&performance are subject to change

NEW [SC-IPT1201TW]

NEW [SC-IPR1201TW]

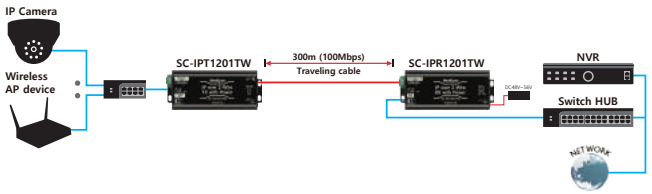
[DC48V / DC56V(Optional) Adapter]

Specification

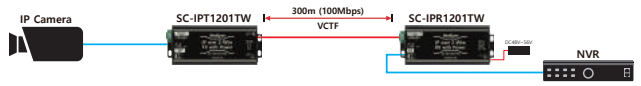
MODEL		SC-IPT1201TW
Power output		Midspan PoE (Type B only, On/Off via PoE switch)
Transmission bandwidth		1Gbps (PHY RATE)
Connection port	Receiver Side	Terminal Block(24 ~ 12AWG)
	Camera Side	RJ-45 (TIA/EIA568B Type)
	Extra Power In	DC-Jack
RJ-45 Connector		1Pin : TX +, 2Pin : TX-, 3Pin : RX+, 4Pin : PWR+ 5Pin : PWR+, 6Pin : RX-, 7Pin : PWR-, 8Pin : PWR-
LED indicator	Link	LED OFF : Not Link
		Red ON/Blink : Poor Link
		Green ON/Blink : Link OK / Act OK
	PWR	Green ON : Successful connection
		Orange Blink : Pairing
		Red Blink : Power supply failure to camera (short circuit, open circuit, overcurrent) Red On : PoE switch Off status
PoE Switch		ON : PoE supply to camera OFF : No PoE power supply
Temperature / Humidity		-10°C ~ +50°C / 0 ~ 80%
Case Body / Weight		Aluminum / 162g
Dimensions(mm)		148(W) x 60(H) x 25(D)
MODEL		SC-IPR1201TW
Power input		DC 48V/56V Adaptor or PoE(IEEE802/3at)
Power consumption		6W
Transmission distance		300-400m
Transmission bandwidth		1Gbps (PHY RATE)
Connection port	Trasmitter Side	Terminal Block(24 ~ 12AWG)
	NVR Side	RJ-45 (TIA/EIA568B Type)
	Power In	DC-Jack
RJ-45 Connector		1Pin : TX +, 2Pin : TX-, 3Pin : RX+, 4Pin : PWR+ 5Pin : PWR+, 6Pin : RX-, 7Pin : PWR-, 8Pin : PWR-
LED indicator	Link	LED OFF : No Link
		Red ON/Blink : Unstable Link
		Green ON/Blink : Link OK / Act OK
	PWR	Green ON : Successful connection
		Red Blink : Power supply failure to transmitter (short circuit, open circuit, overcurrent)
Temperature / Humidity		-10°C ~ +50°C / 0 ~ 80%
Case Body / Weight		Aluminum / 162g
Dimensions(mm)		148(W) x 60(H) x 25(D)

Application Diagram

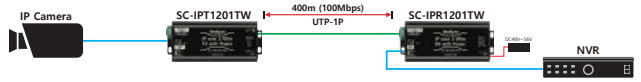
■ IP transmission via traveling cable for elevator



■ IP transmission via power cable(VCTF, CV, HIV, etc.)

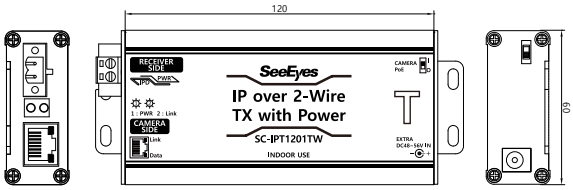


■ IP transmission via data cable(UTP, CPEV, etc.)

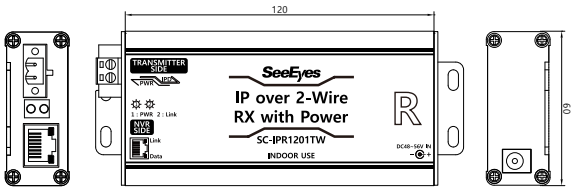


Dimensions

[SC-IPT1201TW]



[SC-IPR1201TW]



HD-ANALOG TRANSMISSION

SC-MICP1001

HD-Analog (AHD/TVI) PoC + UTC

SC-MICP1001 can transmit AHD and TVI signals over a long distance. It consists of SC-MITP1001 (transmitter) and SC-MIRP1001 (receiver). Power for the camera, image, and UTC data can be transmitted over one coaxial cable. Also, it is resistant to ambient noise.

Features

- Transmitting Power + Image + UTC via one coaxial cable
- Multi-format HD Analog (AHD/TVI) signal support
  - AHD/TVI (2M/4M/5M) signal support
- Images can be transmitted over an RG-59 coaxial cable
  - Up to 350m
- UTC feature support
- Up to 10W power output for camera
- Reducing piping/wiring costs by eliminating the need for power line installation
- Safe power transmission with automatic line diagnosis function
- Built-in surge protection circuit

AHD 5M
TVI 5M

NEW [SC-MITP1001]

NEW [SC-MIRP1001]

[DC56V Adapter]

When connecting the AHD/TVI Camera

AHD	1080p 25/30, 1440p 25/30, 1944p 12/20
TVI	1080p 25/30, 1440p 25/30, 1944p 12/20

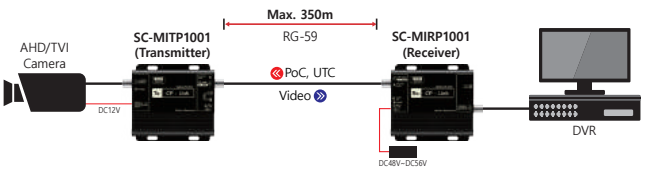
Specifications

MODEL		SC-MITP1001 (1-ch transmitter)
Video	Input	AHD, TVI
	Output	CP-Link
	Resolution	AHD/TVI (2M/4M/5M)
Power input		PoC or DC 48V~56V
Power output		DC 12V, 0.84A
Power consumption		DC56V/55mA
Transmission distance (RG-59)		Up to 350m
UTC		AHD, TVI
External Interface		MINI USB port(only for update)
Temperature / Humidity		-10°C ~ +50°C / 0 ~ 80%
Case Body / Weight		Aluminium / 200g
Dimensions(mm)		93(W) x 93(H) x 35(D)

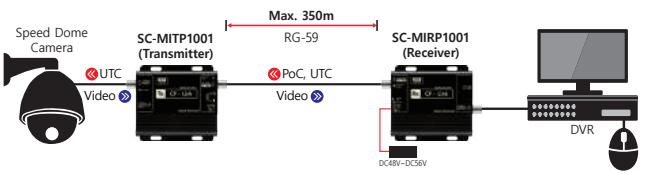
MODEL		SC-MIRP1001 (1-ch receiver)
Video	Input	CP-Link
	Output	AHD, TVI
	Resolution	AHD/TVI (2M/4M/5M)
Power input		DC 48V~56V
Power consumption		DC56V/50mA
Transmission distance (RG-59)		Up to 350m
UTC		AHD, TVI
External Interface		MINI USB port(only for update)
Temperature / Humidity		-10°C ~ +50°C / 0 ~ 80%
Case Body / Weight		Aluminium / 200g
Dimensions(mm)		93(W) x 93(H) x 35(D)

Application Diagram

■ When connecting the AHD/TVI camera



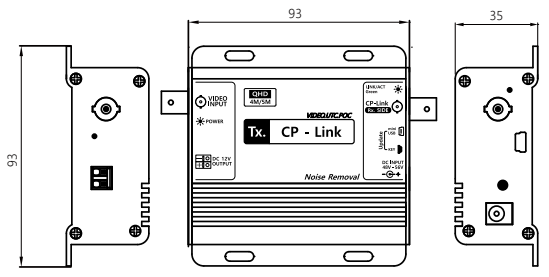
■ When connecting the Speed Dome camera.



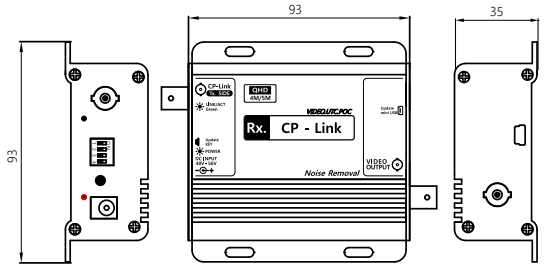
※ The transmission distance may vary depending on the installation environment

Dimensions

[SC-MITP1001]



[SC-MIRP1001]



SC-NRC01MA

AHD(4M)/TVI(2M)
HD-Analog Video Denoiser

SC-NRC01MA is a set of devices consisting of SC-NRT01MA(Tx) and SC-NRR01MA(Rx). It modulates and transmits high definition HD analog video signals while removing video noise. It can be installed in a place where there is video noise. It prevents image distortion in order to transmit clear video images.

Features

- Powerful denoising and intrusion prevention features
- Remote video signal transmission via the RG-59 coaxial cable
  - Up to 500 m (based on AHD 2M/4M, TVI 2M)
- Supporting AHD 2M/4M, TVI 2M, Analog resolution
- Small aluminum case transmitter that can be mounted in the camera housing
- The camera adapter (AC / DC combined) can be used for both the transmitter and the camera
- Integrated harness cable for easy installation
- Built-in surge protection circuit

AHD 4M
AHD 2M
TVI 2M
CVBS

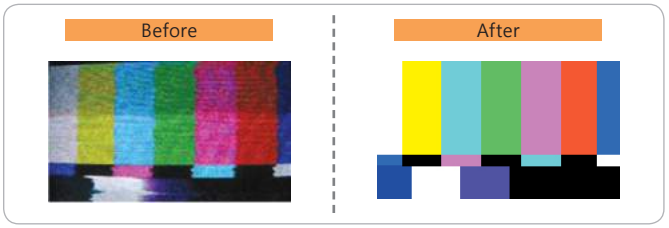
NEW [SC-NRT01MA]

NEW [SC-NRR01MA]

Specifications

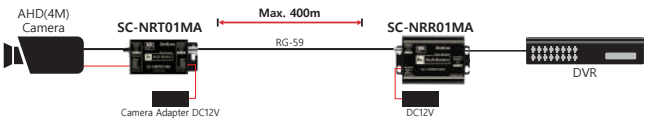
MODEL		SC-NRT01MA (1-channel transmitter)
Input signal		AHD 2M/4M, TVI 2M
Power	Power input	AC24V/DC12V
	Power output	Loop-Through(Using the camera adapter)
Transmission distance(RG-59)		500m (AHD 2M/4M, TVI 2M)
Operation indicator(Red LED)		ON: Successful power input
Connection Port	Video input	BNC-M Harness
	RF output	BNC-F
Temperature / Humidity		-10℃ ~ +50℃ / 0 ~ 80%
Case Body / Weight		Aluminium / 70g
Dimensions(mm)		69.5(W) x 33(H) x 21.5(D)
MODEL		SC-NRR01MA (1-channel receiver)
Output signal		AHD 2M/4M, TVI 2M
Power	Power input	DC 12V 0.5A
Operation indicator(Red LED)		ON: Successful power input
Connection Port	RF input	BNC-F
	Video output	BNC-M Harness
Temperature / Humidity		-10℃ ~ +50℃ / 0 ~ 80%
Case Body / Weight		Aluminium / 120g
Dimensions(mm)		104(W) x 60(H) x 25(D)

SC-NRC01MA comparison before/after denoising

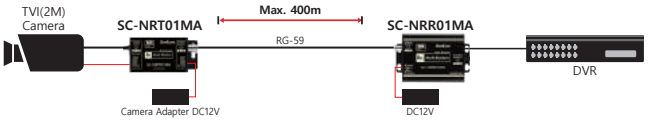


Application Diagram

■ When connecting the AHD 4M camera

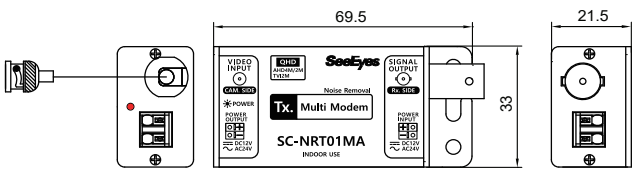


■ When connecting the TVI 2M camera

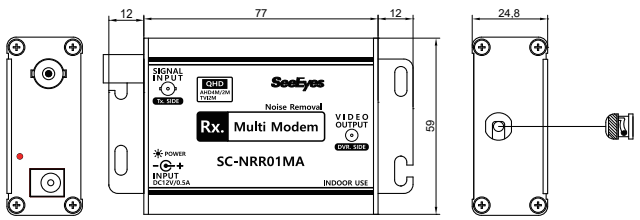


Dimensions

[SC-NRT01MA]



[SC-NRR01MA]



SC-MHR01

Multi Format Image Noise Filter

SC-MHR01 is a multi format video noise filter for CCTV installation site and it is able to remove the signal noise and also enable for signal compensation. It supports not only for CVBS signal but also for AHD, TVI, CVI signals too.

Features

- Noise removal and protection function from Coax. cable's signal
- Supporting various input : AHD, TVI, CVI, CVBS
  - Up to AHD 4M, TVI 5M, CVI 4M high resolution
- Ground loop noise removal function
- Signal compensation function
- Light and compact size
- Surge protection circuit built-in

AHD 4M
TVI 5M
CVI 4M

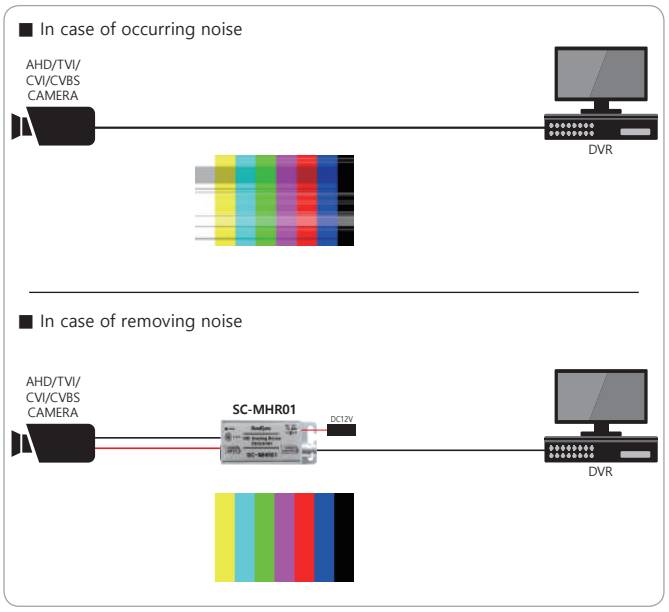
NEW

[SC-MHR01]

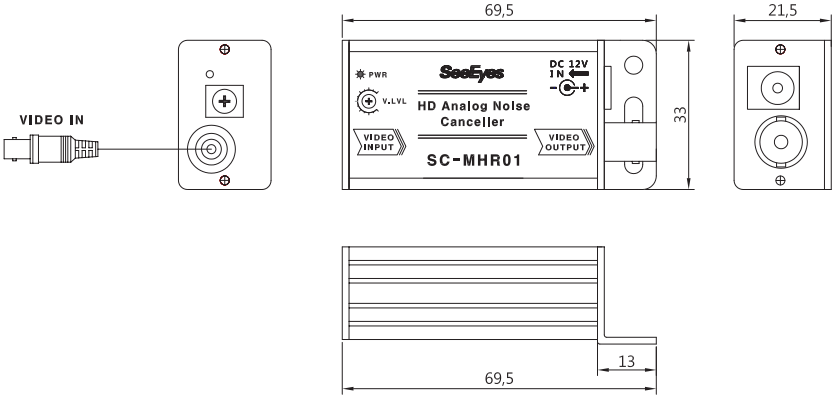
Specifications

MODEL		SC-MHR01 (1ch Noise removal)
In/Output signal		AHD, TVI, CVI, CVBS
Input power		DC 12V / 500mA
Power consumption		50mA
Connection Port	Video input	BNC-F(75Ω) Harness type
	Video output	BNC-F(75Ω)
	Power input	DC Jack
Temperature / Humidity		0℃ ~ +50℃ / 0 ~ 80%
Case body / Weight		Aluminum / 70g
Dimensions(mm)		72(W) X 33(H) X 21(D)

Application Diagram



Dimensions



SC-MUP01

AHD/TVI/CVBS Multi-format
UTP PASSIVE Transceiver

SC-MUP01 is a 1CH Multi-format Passive type of UTP transceiver, which does not need any seperate power supply unit. It is available to transmit AHD/TVI/CVBS video signals up to 200m over UTP cables with no need of re-cabling. In addition, it makes farther transmission possible with our Active type of UTP receiver.

Features

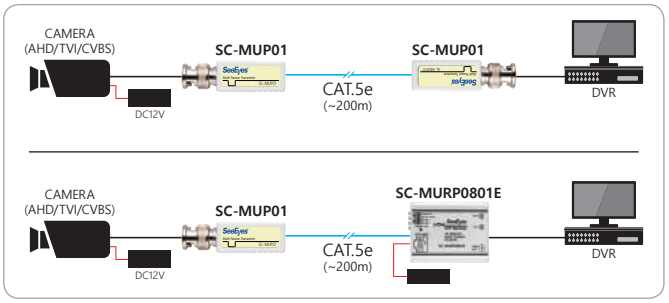
- Multi-format Analog HD signal Input (AHD, TVI)
- Possible to use as both a transmitter and a receiver
- Possible to transmit AHD 2.0 signal up to 250m with SeeEyes Auto UTP Active receiver(SC-MURP0801E, SC-MUR16E)
- Support standard CVBS Signal Input(NTSC, PAL)
- Surge protection circuit built-in

AHD 2M
TVI 2M

[SC-MUP01]

[Front side] [Rear side]

Application Diagram



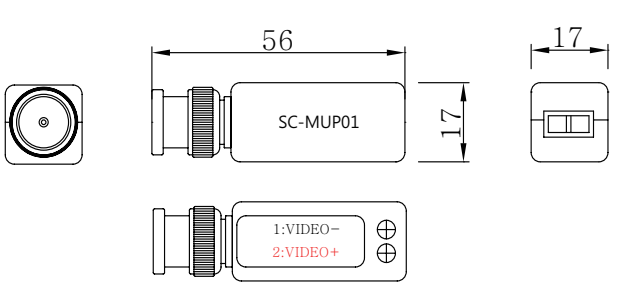
Recommended Configuration

[SC-MUP01] [SC-MURP0801E] [SC-MUR16E]

Specifications

MODEL		SC-MUP01		
Video Input/Output		~1080p25/30 (AHD, TVI), CVBS		
Transmission signal		Balanced Differential Signal		
Max. Transmission Distance(m)		AHD	TVI	CVBS
		200	200	200
Connection Port	Video Output	2P Terminal Block or BNC-M		
	Video Input	2P Terminal Block or BNC-M		
Temperature / Humidity		-10℃ ~ +50℃ / 0 ~ 80%		
Case body / Weight		ABS / 20g		
Dimensions(mm)		56(W) x 17(H) x 17(D)		

Dimensions



SC-MVCP1001/4/8

HD Analog Video+Power (~8W)

1/4/8-ch Video+Power transmission devices (SC-MVCP1001/04/08) consist of SC-MVTP1001 (1-ch Tx.) and SC-MVRP1001/04/08 (1/4/8-ch Rx.). These devices transmit video signal over long distances with minimizing signal degradation and also supply stable power to the cameras over one coaxial cable. These devices provide not only construction cost reduction, but also high quality video transmission with noise removal function.

Features

- 'Video+Power' transmission over one coaxial cable
- Supported transmission distance
  -AHD, CVBS: Max. 1km over RG-6 / Max. 700m over RG-59
- Supported signal format and resolutions
  -Standard Analog 1280H (1.3 Megapixel)/960H (0.52 Megapixel)
  -AHD 1080p 30/25, 720p 25/30
- High-definition video transmission with outstanding noise removal function
- Cost reduction with no need of wiring power cable
- Automatic video transmission distance control
- Construction productivity improvement by laying only one coaxial cable (25~30% cost reduction)
- Automatic line diagnosis feature for safe power transmission
- Surge protection function built-in

AHD 2M
CVBS

[SC-MVTP1001]

[SC-MVRP1001]

[DC48V Adapter]

[SC-MVRP1004]

[SC-MVRP1008]

Specifications

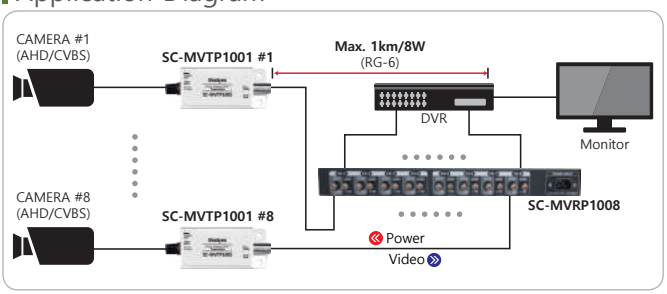
MODEL		SC-MVTP1001(1CH Transmitter)
Input signal		CVBS, AHD, 75Ω
Output power		Actuating power for camera : DC12V/0.83A (Max. 10W)
Transmission distance		Max. 1km (AHD 2M, RG-6)
Connection Port	In/Output	DC-F & BNC-M Harness
	RF Output	BNC-F
Temperature / Humidity		-10°C ~ +50°C / 0 ~ 80%
Case / Weight		Aluminum / 100g
Dimensions(mm)		71(W) x 33(H) x 21(D)

MODEL		SC-MVRP1001 (1CH Receiver)	SC-MVRP1004 (4CH Receiver)	SC-MVRP1008 (8CH Receiver)
Output signal		CVBS, AHD, 75Ω		
Input power / Power consumption		DC 48V/1.04A	AC 100~240V, 50/60Hz	
Transmission distance		Automatic control		
Operation check / Line monitoring		On: Normal Blink: Link Error	2 Color (Green: Normal, Red: Link Error)	
Connection Port	In/Output	BNC-M	BNC-F	
	RF Output	BNC-F		
Temperature / Humidity		-10°C ~ +50°C / 0 ~ 80%		
Case / Weight		Aluminum / 130g	Steel / 3.5Kg	Steel / 4.0Kg
Dimensions(mm)		77(W) x 60(H) x 25(D)	430(W) x 44(H) x 350(D)	

Set Composition

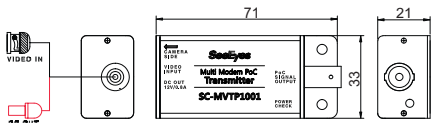
Model	SET
SC-MVCP1004	SC-MVTP1001 x 4EA / MVRP1004 x 1EA
SC-MVCP1008	SC-MVTP1001 x 8EA / MVRP1008 x 1EA

Application Diagram

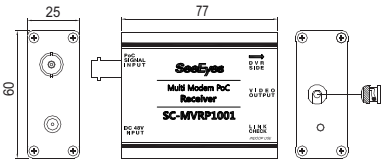


Dimensions

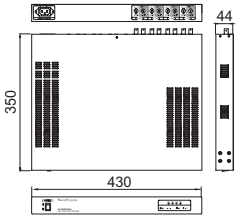
[SC-MVTP1001]



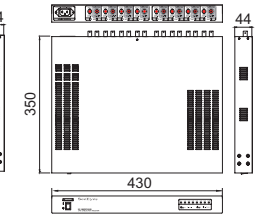
[SC-MVRP1001]



[SC-MVRP1004]



[SC-MVRP1008]



SC-MVCP0601/04/08UF

HD-Analog PoC + UTC Transmission solution

SC-MVCP0601UF/04UF/8UF are PoC video transmission devices for AHD and TVI. It is a high-performance product that can be configured with a dedicated transmitter to transmit video, power, and UTC through a single coaxial cable, thereby reducing construction costs.

Features

- Transmission of Power + Video + UTC in one coaxial cable
  - Requires configuration with dedicated PoC camera or transmitter
- Supports up to 5.4W of power for operating the camera
- Supports AHD, TVI HD-Analog (2M/4M/5M) signals
- Depending on the camera power consumption, it can be transmitted up to 400m via RG-6 coaxial cable.
- Reduction of piping/wiring costs as there is no need to install power lines

※ For reliable quality assurance, it is strongly recommended to consult with SeeEyes.

- Built-in surge protection circuit

AHD 5M
TVI 5M

NEW [SC-MVTP0601UF]

NEW [SC-MVRP0601UF]

NEW [SC-MVRP0604UF]

[Front]

[Rear]

NEW [SC-MVRP0608UF]

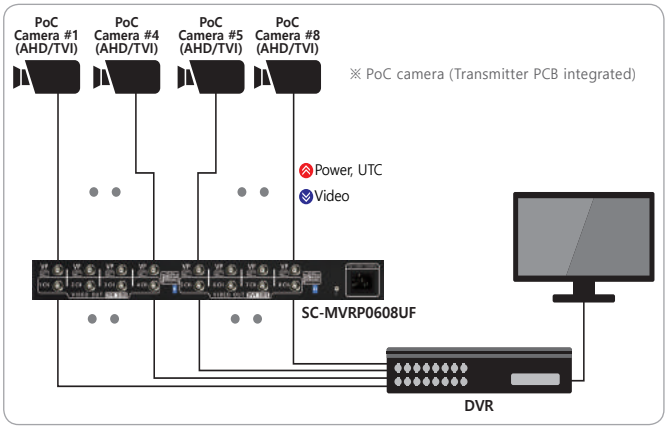
[Front]

[Rear]

Specifications

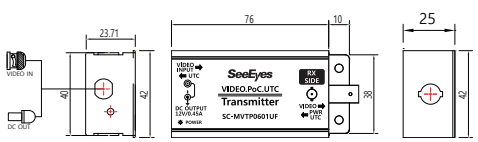
MODEL		SC-MVTP0601UF (1-ch transmitter)	SC-MVRP0601UF (1-ch receiver)
Input/Output signals		AHD, TVI	
UTC supported resolutions		2M 30p(60Hz), 4M 30p(60Hz), 5M 20p/12.5p	
Transmission Distance		Max. 400m (RG-6)	
		Max. 250m (RG-59)	
Power	Input	COAX VP	DC48V/1.0A, Dedicated Adapter
	Output	DC12V/0.47A	COAX VP
Video Input Port		BNC_M	BNC_F
Video Output Port		BNC_F	BNC_M
Temperature / Humidity		-10°C ~ +50°C / 0 ~ 80%	
Case body / Weight		Aluminum / 96g	Aluminum / 132g
Dimensions (mm)		86(W) x 25(H) x 42(D)	104(W) x 60(H) x 25(D)
MODEL		SC-MVRP0604UF (4-ch receiver)	SC-MVRP0608UF (8-ch receiver)
Input/Output signals		AHD, TVI	
UTC supported resolutions		2M 30p(60Hz), 4M 30p(60Hz), 5M 20p/12.5p	
Transmission Distance		Max. 400m (RG-6)	
		Max. 250m (RG-59)	
Power	Input	AC 100 ~ 240V, 50/60HZ	
	Output	COAX DC 33V	
Video Input Port		BNC_F x 4	BNC_F x 8
Video Output Port		BNC_F x 4	BNC_F x 8
Temperature / Humidity		-10°C ~ +50°C / 0 ~ 80%	
Case body / Weight		Steel / 1.75kg	Steel / 3.4kg
Dimensions (mm)		310(W) x 44(H) x 200(D)	430(W) x 44(H) x 300(D)

Application Diagram

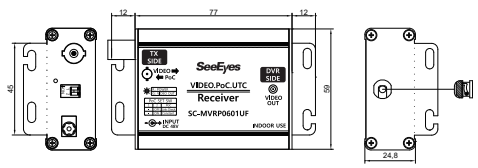


Dimensions

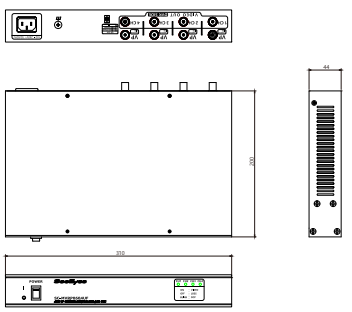
[SC-MVTP0601UF]



[SC-MVRP0601UF]



[SC-MVRP0604UF]



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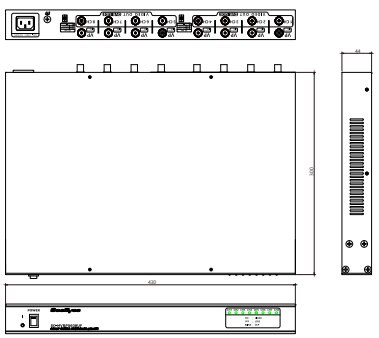


SC-MUTP0801E

AHD/TVI/CVI/CVBS Multi-format
UTP ACTIVE Type Data + Power Transmitter

SC-MUTP0801E is an active 1-channel multi-format UTP transmitter that supports various signals such as AHD, TVI, CVI and CVBS. It comes with harness cables for easy installation. It is possible to transmit power and control data over a UTP cable without additional cable installation.

Features

- Supports multi-format HD analog signals
- Transmits video signals Max. 700m (AHD 2M), Max. 300m (TVI 2M), Max. 300m (CVI 2M), Max. 700m (CVBS) via CAT.5e UTP cable
- Active 1-channel transmitter with high noise reduction function
- Minimize the effects of noise on cables
- DC 12V output for the camera power supply (Max. 12W)
- Supports standard CVBS signal (NTSC, PAL)
- Built-in surge protection circuit

AHD 2M
TVI 2M
CVI 2M
CVBS

[SC-MUTP0801E]

Recommended Configurations

[SC-MURP0801E]

[SC-MUR16E]

[SC-JPD04/08/24]

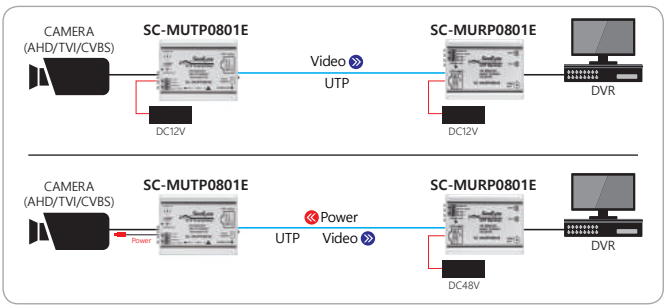
Transmission distance of each signal

Video Signal	Transmission Distance(m)		
	12W	8W	6W
CVBS	100	400	700
AHD	100	400	700
TVI	100	300	300
CVI	100	300	300

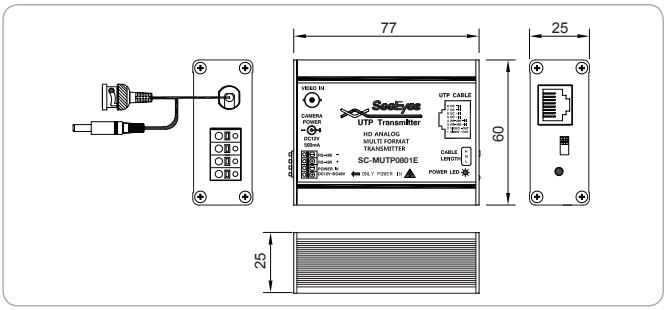
Specifications

MODEL		SC-MUTP0801E			
Video Input		~1080p25/30 (AHD, TVI, CVI, CVBS)			
Video Output		~1080p25/30 (AHD, TVI, CVI, CVBS)			
Power consumption		DC 12V 40mA / DC 48V 20mA (Idle Mode)			
Video signal compensation		Cable Length Switch (L/M/H Select)			
Power	Input Block	DC12V~48V (Adaptor) or DC48V (UPD08 / SC-JPDXX) over CAT.5			
	Output	DC 12V 500mA(8W Max. / DC Type)			
Transmission distance (Max.)		AHD 2M	TVI 2M	CVI 2M	CVBS
		700	300	300	700
Connection Port	Video Input	BNC-M Harness & DC-F			
	Video Output	RJ-45 (Video : 1,2 / Data : 3,4 / +Power : 5,6 / -Power : 7,8)			
	Data/Power	4P Terminal Block: 2P Power, 2P Data			
Temperature / Humidity		-10℃ ~ +50℃ / 0 ~ 80%			
Case body / Weight		Aluminium / 120g			
Dimensions(mm)		77(W) x 60(H) x 25(D)			

Application Diagram



Dimensions



SC-MURP0801E

AHD/TVI/CVI/CVBS Multi-format
UTP ACTIVE Type Data + Power Receiver

SC-MURP0801E is an active 1-channel multi-format UTP receiver that supports various signals such as AHD, TVI, CVI and CVBS. The harness cables are included for easy installation. It is possible to transmit power and control data over a UTP cable without installing an additional power line. It is also able to select the optimal video by adjusting the A / F LEVEL GAIN.

Features

- Supports multi-format HD analog signals
- Transmits video signals Max. 700m (AHD 2M), Max. 300m (TVI 2M), Max. 300m (CVI 2M), Max. 700m (CVBS) via CAT.5e UTP cable
- Active 1-channel transmitter with high noise reduction function
- Minimize the effects of noise on cables
- DC 12V output for the camera power supply (Max. 12W)
- Supports standard CVBS signal (NTSC, PAL)
- Built-in surge protection circuit

AHD 2M
TVI 2M
CVI 2M
CVBS

[SC-MURP0801E]

[DC 12V 1A Adaptor]

Recommended Configurations

[SC-MUP01]

[SC-MUP01P8]

[SC-MUTP0801E]

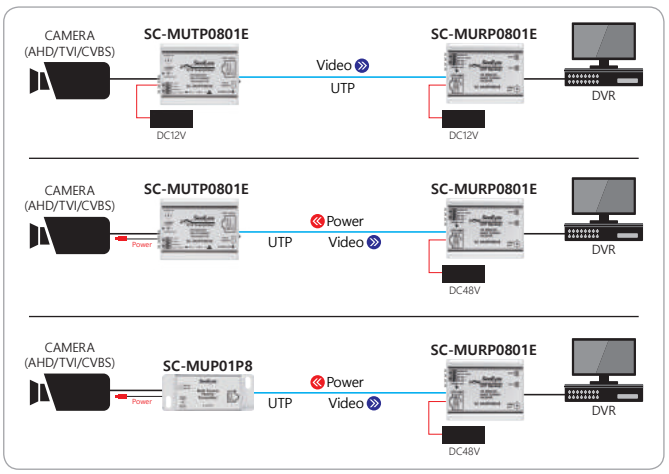
Transmission distance of each signal

Video Signal	Transmission Distance(m)		
	12W	8W	6W
CVBS	100	400	700
AHD	100	400	700
TVI	100	300	300
CVI	100	300	300

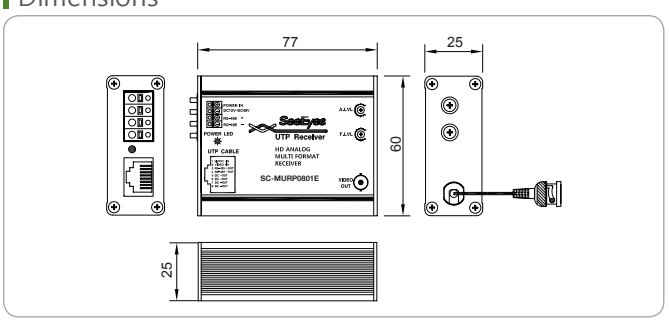
Specifications

MODEL		SC-MURP0801E			
Video Input		~1080p25/30 (AHD, TVI, CVI, CVBS)			
Video Output		~1080p25/30 (AHD, TVI, CVI, CVBS)			
Power consumption		DC 12V 40mA / DC 48V 20mA (Idle Mode)			
Video signal compensation		VR Control (A.Level, F.Level)			
POWER	Input	DC 12V or DC 48V (DC 48V Adaptor optional)			
	Output	Loop Through Out (RJ-45 Output)			
Transmission distance (Max.)		AHD 2M	TVI 2M	CVI 2M	CVBS
		700	300	300	700
Connection Port	Video Input	RJ-45 (Video : 1,2 / Data : 3,4 / +Power : 5,6 / -Power : 7,8)			
	Video Output	BNC-M Harness			
	Data/Power	4P Terminal Block: 2P Power, 2P Data			
Temperature / Humidity		-10℃ ~ +50℃ / 0 ~ 80%			
Case body / Weight		Aluminium / 120g			
Dimensions(mm)		77(W) x 60(H) x 25(D)			

Application Diagram



Dimensions



SC-MAC02

HD-ANALOG to HDMI converter

SC-MAC02 is a multi-format converter that converts HD Analog(AHD, TVI, CVI) and CVBS input signals to HDMI and CVBS output signals. It provides the UTC control function through loop-out port. Pre-installed analog matrix, modulator and DVR system can be used with SC-MAC02.

Features

- Convert 5M HD-Analog(AHD/TVI/CVI) and CVBS Input signal to HDMI and CVBS output signal
- Support UTC (Up The Coax Communication) control function through loop out port
- Existing analog video server(matrix) is available
- Monitoring is possible through HDMI out port (No need of separate monitoring device)
- High definition signal converting without signal loss
- Superior Application Diagrams in the construction field with the slim aluminum case
- Surge protection circuit built-in

AHD 5M TVI 5M CVI 5M CVBS

HDMI

[SC-MAC02]

HDMI output resolutions

Input resolutions	HDMI output resolutions
1280x720p 25Hz, 1920x1080p 25Hz 2560x1440 25Hz, 2592x1944 12Hz	1920x1080p50
1280x720p 30Hz, 1920x1080p 30Hz 2560x1440 30Hz, 2592x1944 20Hz	1920x1080p60

Supporting Resolutions

AHD	1280x720p 25/30Hz, 1920x1080p 25/30Hz 2560x1440 25/30Hz, 2592x1944 12/20Hz
TVI	
CVI	
CVBS	NTSC, PAL

UTC Function

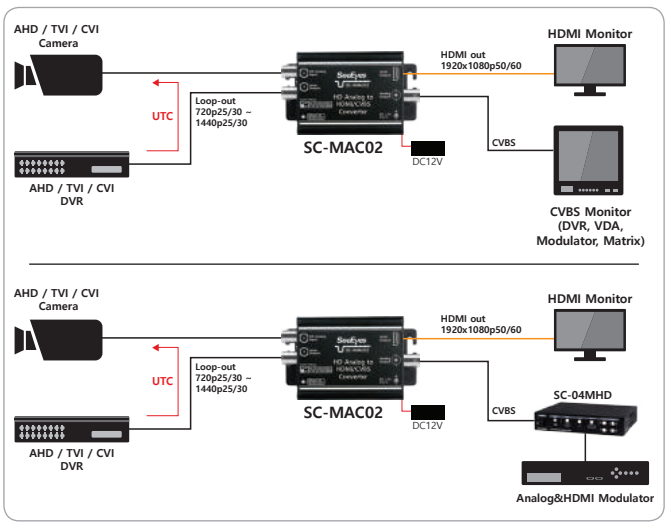
- The UTC Function, which stands for 'Up The Coax Communication' makes it possible to control a camera (PTZ/Focus/OSD) via only one coaxial cable

Signal	Protocol
AHD	A-CP
TVI	UTC
CVI	UCC

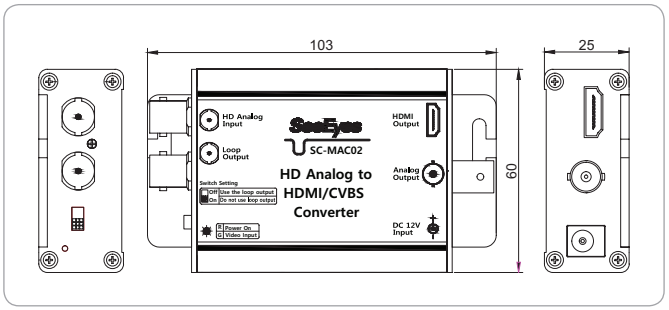
Specifications

MODEL		SC-MAC02
HD Analog input resolution		1280x720p 25/30Hz, 1920x1080p 25/30Hz 2560x1440 25/30Hz, 2592x1944 12/20Hz
Loop through output resolution		Same format as the input signal
HDMI output resolution		1920x1080(p50,p60)
Input power / Power consumption		DC 12V: 0.5A / DC 12V: 150mA
Connection port	Input	BNC-F 75Ω
	Loop Out	BNC-F 75Ω
	Analog Out	BNC-F 75Ω
	HDMI Out	HDMI A Type
LED Indication	Red	Power In
	Green	HD Analog Video In
Temperature / Humidity		-10℃ ~ +50℃ / 0 ~ 80%
Case / Weight		Aluminum / 120g
Dimensions (mm)		103(W) x 60(H) x 25(D)

Application Diagram



Dimensions



SC-MAC02U

HD-ANALOG to HDMI converter

SC-MAC02U is a multi-format converter that changes HD ANALOG(AHD 8M, TVI 8M, CVI 8M) and CVBS input signal into HDMI and CVBS simultaneously. This product is able to adjust the HDMI output resolution of the video regardless of the input signal type or resolution.

Features

- Convert 8M HD ANALOG(AHD 8M, TVI 8M, CVI 8M) and CVBS input signal into HDMI and CVBS output simultaneously
- Support various HDMI output resolution (~2160p 30Hz)
  - Output resolution adjustment function (built-in up/down scaler)
- Support UTC control function through Loop Out port
- HDMI port for monitoring without additional equipment
- Convert video in high quality without signal loss
- Compact aluminum case applied for superior construction in CCTV field
- Built-in surge protection circuit

AHD 8M TVI 8M CVI 8M CVBS

HDMI

NEW [SC-MAC02U] 4K

Supported Resolution

AHD	720P25/30Hz, 1080P25/30Hz, 4MP15/25/30Hz, 5MP12/20Hz, 8MP12/15Hz
TVI	720P25/30Hz, 1080P25/30Hz, 3MP18Hz, 4MP15/25/30Hz, 5MP12/20Hz, 8MP12/15Hz
CVI	720P25/30Hz, 1080P25/30Hz, 4MP25/30Hz, 8MP12/15Hz
SD/CVBS	NTSC, PAL

UTC Function

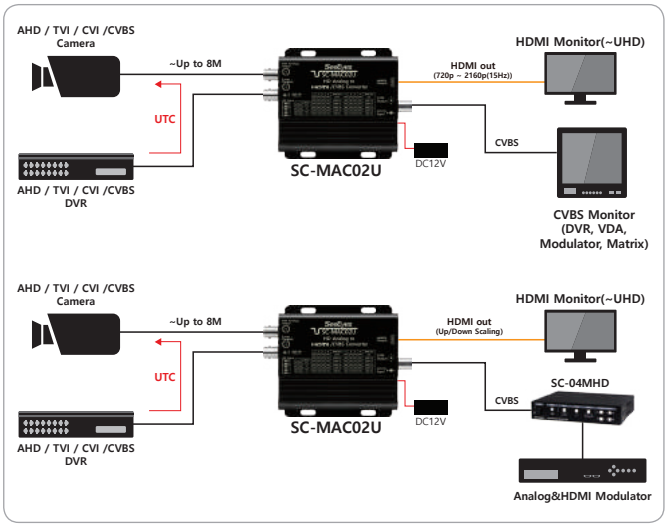
- The UTC Function, which stands for 'Up The Coax Communication' makes it possible to control a camera (PTZ/Focus/OSD) via only one coaxial cable.

Signal	Protocol
AHD	A-CP
TVI	UTC
CVI	UCC

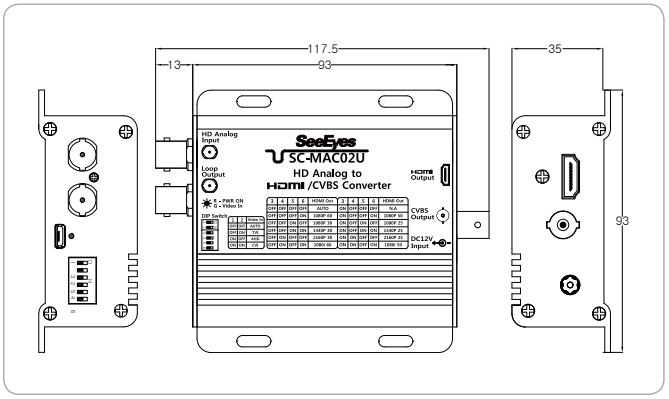
Specifications

MODEL		SC-MAC02U
HD ANALOG Input Resolution	AHD	720P25/30Hz, 1080P25/30Hz, 4MP15/25/30Hz, 5MP12/20Hz, 8MP12/15Hz
	TVI	720P25/30Hz, 1080P25/30Hz, 3MP18Hz, 4MP15/25/30Hz, 5MP12/20Hz, 8MP12/15Hz
	CVI	720P25/30Hz, 1080P25/30Hz, 4MP25/30Hz, 8MP12/15Hz
	SD/CVBS	NTSC, PAL
Loop Output Resolution		Same as Input Resolution
HDMI Output Resolution		1920x1080P 50/60/25/30 1920x1080i 50/60, 1920x1080i 59.94(*Option) 2560x1440P 25/30, 3840x2160P 25/30
CVBS Output Resolution		NTSC, PAL
In/Output Transmission Distance	HD Analog In/Output	Max. 400m over RG-59 (200m/20Ω, in case of 2MP camera) Max. 600m over RG-6 (300m/12Ω, in case of 2MP camera)
	HDMI	HDMI Cable 3m
	CVBS Output	3C-2V Max.100m, 1Vp-p (75Ω Termination)
Power Input / Power Consumption		DC 12V : 0.5A / DC 12V : 180mA(Max.)
Connection Port	HD Analog Input	BNC-F 75Ω
	Loop Output	BNC-F 75Ω
	HDMI Output	A Type
	Analog Output	BNC-F 75Ω
LED	RED	Power In
	GREEN	Video In
Switch		1,2 : Select HD Analog Input
		3,4,5,6 : Select HDMI Input Resolution
Temperature / Humidity		-10℃ ~ +50℃ / 0 ~ 80%
Case Body / Weight		Aluminum / 210g
Dimensions (mm)		93(W) x 35(D) x 93(H) mm

Application Diagram



Dimensions



SC-MAC04

AHD/TVI/CVI to CVBS Converter

SC-MAC04 is a multi-format signal converter which converts either of AHD/TVI/CVI~5MP) signal received to CVBS format.

Features

- Receive either of AHD/TVI/CVI signal up to 5MP and converts it to CVBS signal (Input: 4ch HD Analog / Output: 4ch CVBS, 4ch Loop Output)
- UTC (Up The COAX) communication via Loop output port
- Hybrid system of HD Analog cameras with your existing analog video server, matrix switcher or modulator for CATV
- Signal conversion without signal loss
- Built-in surge protection circuit

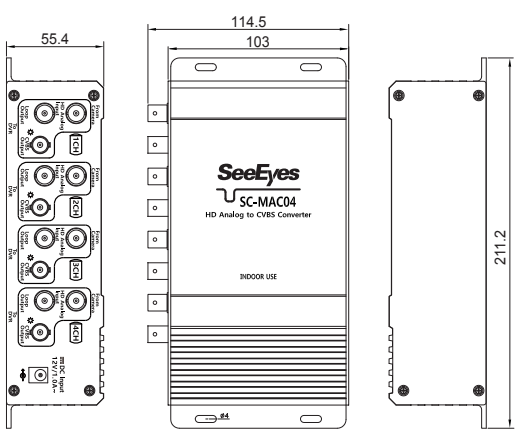
AHD 5M
TVI 5M
CVI 5M
CVBS

[SC-MAC04]

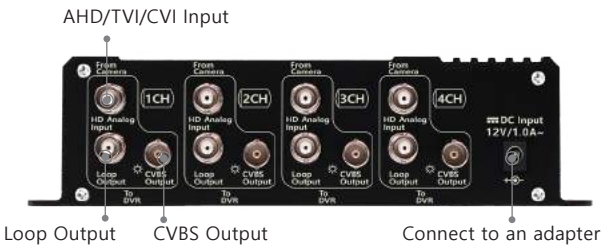
Specifications

MODEL		SC-MAC04
HD Analog Input	AHD/TVI/CVI	1280x720p 25/30Hz, 1920x1080p 25/30Hz 2560x1440 25/30Hz, 2592x1944 12/20Hz
Loop Output		Same format as the input signal
CVBS Output		NTSC, PAL
Self-Power Consumption		DC 12V, 320mA
Connection Port	HD Analog In	1ch BNC-F 75Ω
	Loop Out	1ch BNC-F 75Ω
	CVBS Out	1ch BNC-F 75Ω
LED Indicator	Red	Power Input
	Green	Video Input
Temperature/ Humidity		-10℃ ~ +50℃ / 0 ~ 80%
Case Body / Weight		Aluminum / 670g
Dimensions (mm)		103(W) x 211(D) x 55(H)

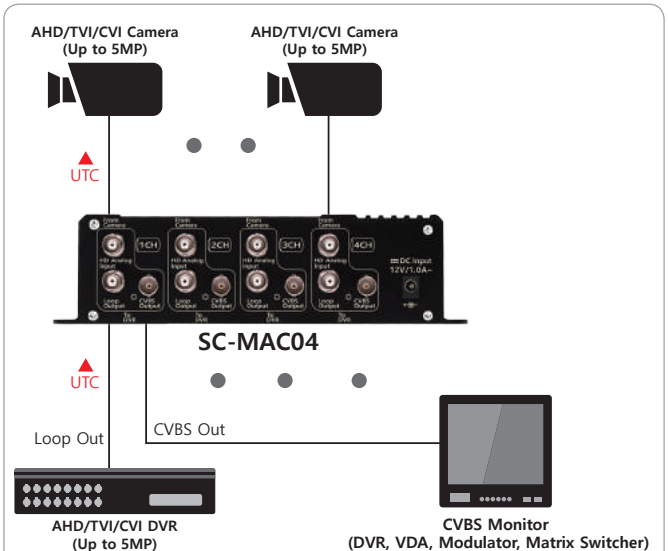
Dimensions



SC-MAC04 Interface



Application Diagram



SC-MA1VDA

AHD, TVI, CVI, SD Analog(CVBS)
Multi-format Video Distributor

SC-MA1VDA is a video signal distributor that supports various input and output signals such as AHD, TVI, CVI, SD Analog(CVBS). This product supports the UTC function for camera PTZ and OSD settings from a remote location through a coaxial cable. It is therefore cost-effective because no separate control lines are required.

Features

- 1 input / 4 output video signal distributor
- Various signal inputs and outputs (AHD, TVI, CVI, SD Analog(CVBS))
  - AHD, TVI, CVI up to 8MP supported
- UTC function for HD analog signal (up to 8 MP)
- Video signal output with the same resolution as the input signal
- Video signal output without signal loss
- Built-in surge protection circuit

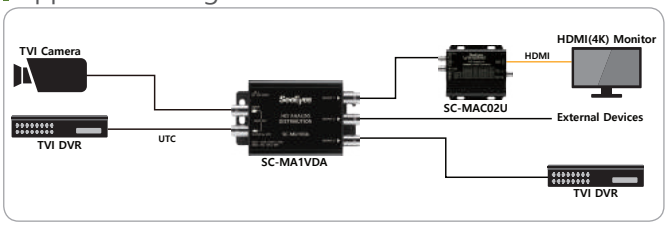
AHD 8M
TVI 8M
CVI 8M
CVBS

[SC-MA1VDA]

UTC Supported Resolutions

Signal	Resolution
AHD	1280x720p 25/30Hz, 1920x1080p 25/30Hz, 2560x1440p 15/25/30Hz, 2592x1944p 12/20Hz, 3840x2160p 15
TVI	1280x720p 25/30Hz, 1920x1080p 25/30Hz, 2560x1440p 15/25/30Hz, 2592x1944p 12/20Hz, 3840x2160p 12.5/15
CVI	1280x720p 25/30Hz, 1920x1080p 25/30Hz 2560x1440p 25/30Hz, 3840x2160p 12.5/15

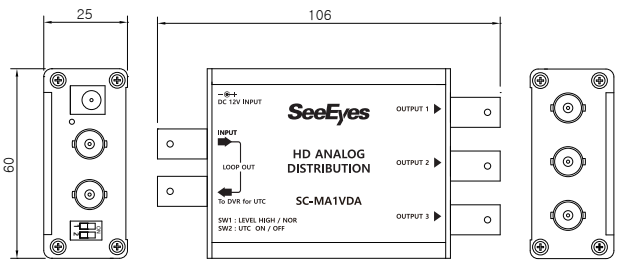
Application Diagram



Specifications

MODEL		SC-MA1VDA
Video Input		AHD/TVI/CVI(up to 8MP), SD Analog(CVBS)
Video Output		Same resolution with Input signal
Power Input		DC 12V / 0.5A
Connection port	Video In	BNC-F, 1 IN
	Video Out	BNC-F, 4 OUT
	Power In	DC JACK
LED		Power In
Power consumption		0.5W
Temperature / Humidity		-10℃ ~ +50℃ / 0 ~ 80%
Case / Weight		Aluminum / 121g
Dimensions (mm)		106(W) x 60(H) x 25(D)

Dimensions



SC-MA8VDA

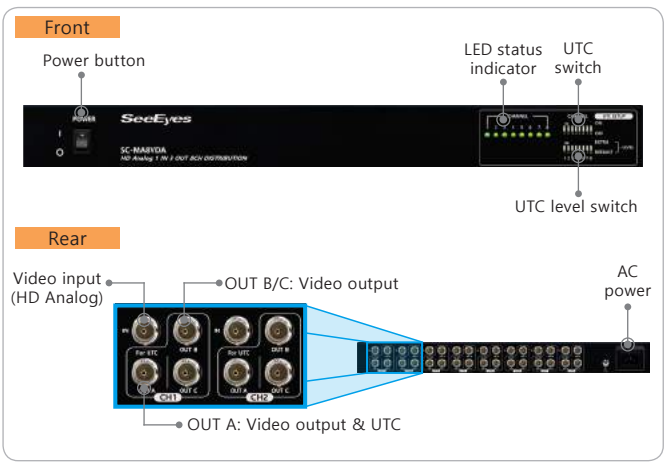
AHD, TVI, CVI, SD Analog (CVBS)
multi-format signal distributor

SC-MA8VDA is an 8-channel distributor that can output at the same resolution as the input signal resolution, and supports HD Analog signal and SD Analog (CVBS) input. In addition, the Output A has a built-in UTC (Up The Coax) function, so you can control the PTZ and OSD of the camera from the DVR using a coaxial cable without a separate cable connection.

Feature

- Multi-format signal video splitter
  [In default configuration]
  - 8 IN 24 OUT (1 IN 3 OUT / 8ch Input)
  [Application configuration : Daisy Chain]
  - 4 IN 20 OUT (1 IN 5 OUT / 4ch Input)
  - 2 IN 18 OUT (1 IN 9 OUT / 2ch Input)
- Supports various input/output signals (AHD, TVI, CVI, SD Analog (CVBS))
  - Supports AHD/TVI/CVI signal 4K resolution
- HD Analog signal UTC support
- Outputs the same as the input resolution
- Same video output without signal attenuation
- Built-in surge protection circuit

SC-MA8VDA Interface



Supported resolutions of SC-MA8VDA

AHD	1280x720p 25/30Hz, 1920x1080p 25/30Hz, 2560x1440p 15/25/30Hz, 2592x1944p 12/20Hz,3840x2160p 15Hz
TVI	1280x720p 25/30Hz, 1920x1080p 25/30Hz, 2560x1440p 15/25/30Hz, 2592x1944p 12/20Hz, 3840x2160p 12.5/15Hz
CVI	1280x720p 25/30Hz, 1920x1080p 25/30Hz, 2560x1440p 15/25/30Hz, 3840x2160p 12.5/15Hz
CVBS	NTSC, PAL

Specification

MODEL		SC-MA8VDA
Video input		AHD/CVI/TVI (Up to 8MP), SD Analog (CVBS)
Video output		the same resolution as the input signal
Power input		AC 100V~AC 240V 50/60Hz
UTC	AHD	1280x720p 25/30Hz, 1920x1080p 25/30Hz, 2560x1440p 15/25/30Hz, 2592x1944p 12/20Hz, 3840x2160p 15Hz
	TVI	1280x720p 25/30Hz, 1920x1080p 25/30Hz, 2560x1440p 15/25/30Hz, 2592x1944p 12/20Hz, 3840x2160p 12.5/15Hz
	CVI	1280x720p 25/30Hz, 1920x1080p 25/30Hz, 2560x1440p 25/30Hz, 3840x2160p 12.5/15Hz
Connection port	Video In	BNC-F, 8 IN
	Video Out	BNC-F, 24 OUT
	Power In	AC INLET
LED indicator	GREEN	On: Successful video input
Temperature / Humidity		-10℃ ~ +50℃ / 0 ~ 80%
Case body / Weight		Steel / 3.5kg
Dimensions(mm)		430(W) x 350(H) x 44(D)

AHD 8M
TVI 8M
CVI 8M
CVBS

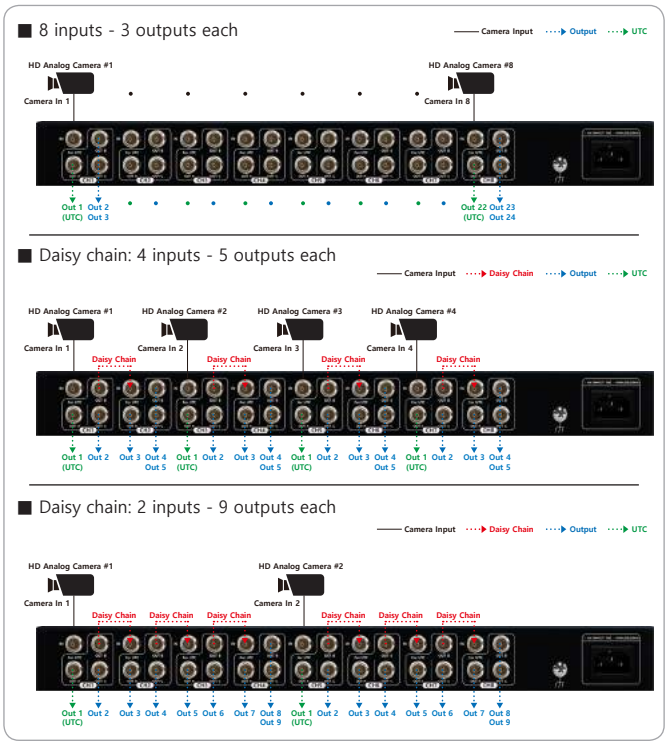
NEW

[SC-MA8VDA]

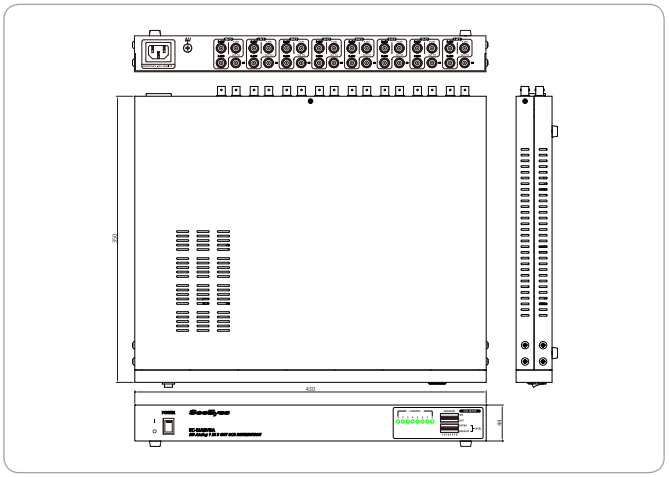
[Front]

[Rear]

Application diagram



Dimensions



SC-MHC01
SC-HAC01E

HD Analog to SDI / SDI to AHD

SC-MHC01 is a converter which receives HD-Analog(~1080p) signal and converts it to HD-SDI, EX-SDI 1.0/2.0 signal. SC-HTC01E is a converter which receives HD-SDI, EX-SDI 1.0/2.0 signal and converts it to TVI(~1080p).

Features

- Converting AHD/TVI/CVI(~2MP) signal to HD-SDI/ EX-SDI (1.0 / 2.0)
- Output signal format is selectable by DIP switch (select 1 out of HD-SDI, EX-SDI 1.0, EX-SDI 2.0)
- Supporting resolution: 1080p 25/30Hz, 720p 25/30/60Hz
- Enable operating powered (DC12V) by SeeEyes test monitor without any separate adapter
- Enable checking AHD/TVI/CVI (~2MP) camera with your existing HD-SDI test monitor (ex: SC-MFM07HD)
- Available to make a hybrid system of AHD/TVI/CVI cameras with SDI DVR

AHD 2M
TVI 2M
CVI 2M

[SC-MHC01]

[SC-HAC01E]

[SC-HAC01E]

- Converting HD-SDI, EX-SDI 1.0 / 2.0 signal to AHD
- Supporting resolution: 1080p 25/30Hz, 720p 25/30/50/60Hz

DIP SW Settings for Output Signal (SC-MHC01)

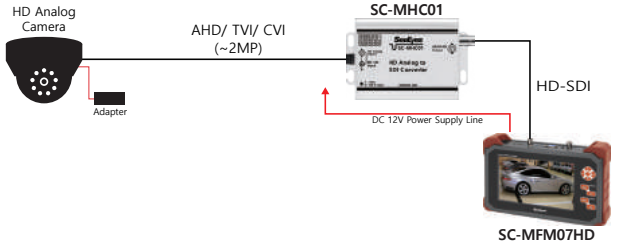
Output Signal	SW#1	SW#2
HD-SDI	OFF	OFF
EX-SDI 1.0	ON	OFF
EX-SDI 2.0	OFF	ON

Specifications

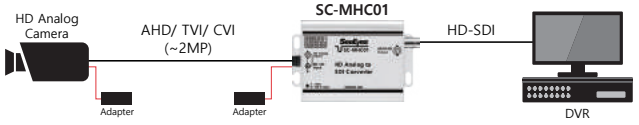
MODEL		SC-MHC01	SC-HAC01E
Video Input		AHD, TVI, CVI (Up to 1080p)	HD-SDI, EX-SDI 1.0, EX-SDI 2.0
Video Output		HD-SDI, EX-SDI 1.0, EX-SDI 2.0 (selectable one)	AHD (Up to 1080p)
Video Resolution		1280*720p 25/30/50/60, 1920*1080p 25/30Hz	
Input Power		DC12V/0.5A	
Connection Port	Video In	BNC_F Harness	
	Power In	DC_M Harness	DC_JACK
	SDI Out	BNC_F	BNC_M Harness
SDI Output Settings		2P DIP Switch	-
LED	Green	On: Video Input	On: Video Output
	Yellow	On: Power Input	
Temperature / Humidity		-10°C ~ +50°C / 0 ~ 80%	
Case body / Weight		Aluminum / 122g	Aluminum / 120g
Dimensions(mm)		97(W) x 60(D) x 25(H)	

Application Diagram

■ When checking a HD Analog camera with a HD-SDI test monitor



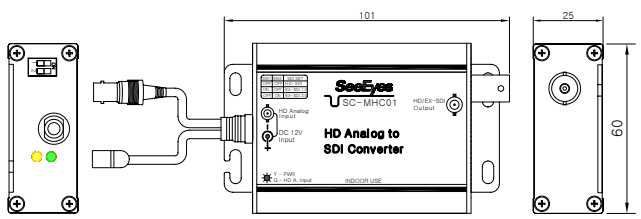
■ When monitoring AHD/ TVI/ CVI(~2MP) camera's video with a SDI DVR



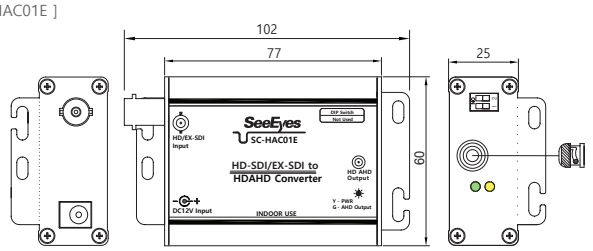
■ When connecting SDI (HD-SDI, EX-SDI 1.0/2.0) signal to AHD DVR

Dimensions

[SC-MHC01]



[SC-HAC01E]



SC-HMC08/16E

8CH/16CH EX-SDI 1.0/2.0, HD-SDI to TVI/AHD Converter

SC-HMC08E/HMC16E are converters that can receive digital HD video signals (HD-SDI, EX-SDI 1.0/2.0), convert them into TVI or AHD signals, and output them. Not only are they convenient products that support TVI/AHD signals, but they can also be used for DVRs or monitors, which do not support EX-SDI.

Features

- It receives HD-SDI, EX-SDI (1.0/2.0) signals, convert it to TVI/AHD signals, and output them.
  - It is possible to select a signal (TVI / AHD) with the selector switch on the front panel.
- Up to 8 channels / 16 channels available for camera input and output
  - 8 channel: 8-input / 8-output
  - 16 channel: 16-input / 16-output
- Supported input/output resolution
  - TVI: 1080p 25/30Hz, 720p 25/30Hz, 720p 50/60
  - AHD: 1080p 25/30Hz
- It comes with the LED indicator on the front panel to check camera input status for each channel

NEW

[SC-HMC08E]

[Front]

[Rear]

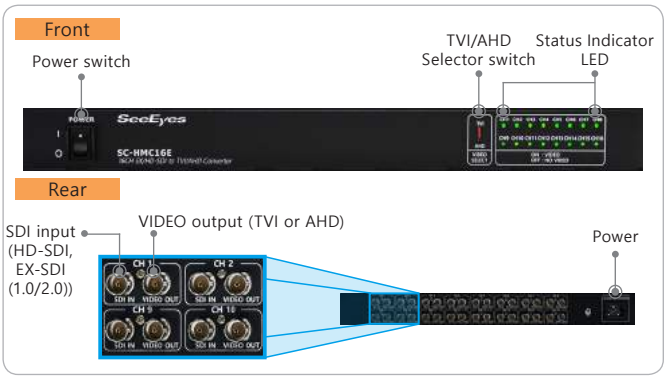
NEW

[SC-HMC16E]

[Front]

[Rear]

SC-HMC16E Interface

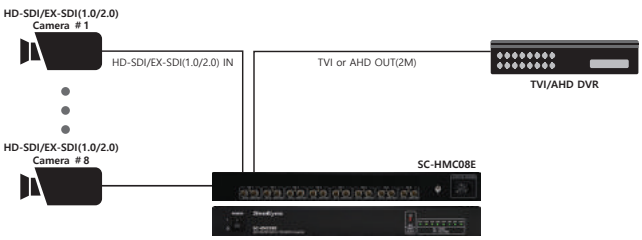


Specifications

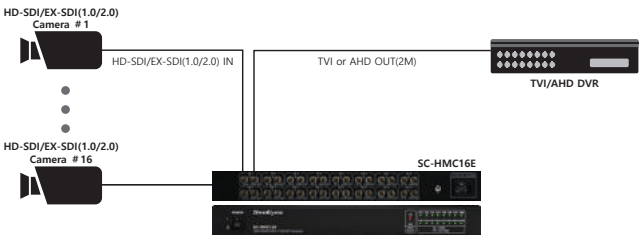
MODEL		SC-HMC08E (8CH)	SC-HMC16E (16CH)
Input signal		HD-SDI, EX-SDI 1.0, EX-SDI 2.0	
Output signal		TVI, AHD	
Input/output resolution	TVI	1920*1080p 25/30Hz, 1280*720p 25/30/50/60Hz	
	AHD	1920*1080p 25/30Hz	
Input power		AC 100V ~ 240V, 50/60Hz	
Power consumption		Max. 14W	Max. 27W
Connection Port	Video input	BNC_F, 8 IN	BNC_F, 16 IN
	Video output	BNC_F, 8 OUT	BNC_F, 16 OUT
	Power input	AC-INLET	
LED	Green	On: Camera video is input, Off: No camera video is input	
Temperature / Humidity		0°C ~ +50°C / 0 ~ 80%	
Case Body / Weight		Steel / 3.1kg	Steel / 3.4kg
Dimensions(mm)		430(W) x 300(H) x 44(D)	

Application Diagram

■ 8-channel HD/EX-SDI to TVI/AHD



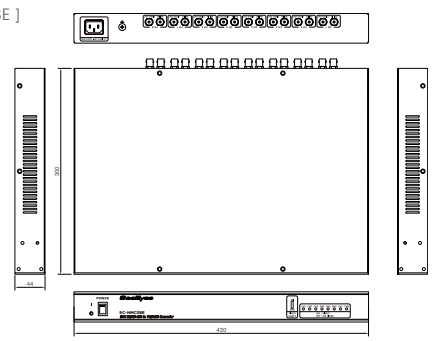
■ 16-channel HD/EX-SDI to TVI/AHD



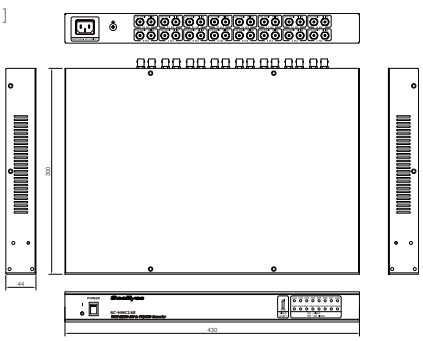
※ TVI / AHD selector switch on the front

Dimensions

[SC-HMC08E]



[SC-HMC16E]



HD-SDI / EX-SDI TRANSMISSION

SC-SCP1001D/04DH/8D

HD/EX-SDI + Power + Control Data Transmission Kit

SC-SCP1001D / 4DH / 8D is an SDI long distance transmission kit that transmits SDI signals, power and RS-485 control data over a single coaxial cable. The transmission range can be extended by using a unique repeater (SC-HLR01D). It is useful and convenient in terms of installation and maintenance due to the simultaneous transmission of SDI + Power + Control data over 1 coaxial cable.

Features

- SDI + Power + control data (RS-485 one way, UTC) transmission via 1 single coaxial cable
- HD-SDI, EX-SDI1.0 / 2.0 / 2.1 input
- Remote transmission for EX-SDI1.0 / 2.0 / 2.1
  - EX-SDI2.0-Basis, max.600m (with RG-6)
- Supplies an SDI camera with power (10W / DC12V)
- Self-diagnosis function for safe power transmission
- The transmission range can be extended by using a SeeEyes repeater (SC-HLR01D).
- Cost-effective and easy installation solution (30 ~ 50% cost savings)
- No expensive optical or HDMI cables required
- Built-in surge protection circuit

NEW [SC-STP1001D - 1-ch Tx.]

NEW [SC-SRP1001D - 1-ch Rx.]

NEW [SC-SRP1004DH - 4-ch Rx.]

NEW [SC-SRP1008D - 8-ch Rx.]

Specifications

MODEL		SC-STP1001D (1CH Transmitter)	SC-SRP1001D (1CH Receiver)
Input signal		HD-SDI, EX-SDI 1.0/2.0/2.1/3.0	
Output signal		HD-SDI, EX-SDI 1.0/2.0/2.1/3.0	
Input power		COAX DC 48V	DC 48V/1.0A
Power consumption		(VP DC48V IN)	0.5W(idle Mode)
Max. transmission distance (RG-6)		HD-SDI : 200m EX-SDI 1.0 : 400m EX-SDI 2.0 : 600m EX-SDI 2.1 : 400m	
Power output (MAX)		DC12/0.83A (10W)	COAX DC 48V
Connection Port	SDI In/Out	BNC-F(75Ω)	
	Power In/Out	2Pin T. Block out of 4P	DC JACK
	RS-485 (one-way)	2Pin T. Block out of 4P	2Pin T. Block
Temperature / Humidity		-10℃ ~ +50℃ / 0 ~ 80%	
Case body / Weight		Aluminium / 56g	Aluminium / 110g
Dimensions(mm)		88(W) x 33(H) x 21.5(D)	103(W) x 60(H) x 25(D)

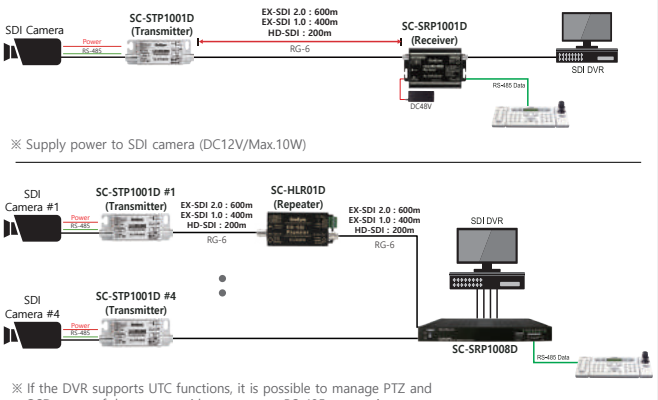
MODEL		SC-SRP1004DH (4CH Receiver)	SC-SRP1008D (8CH Receiver)
Input signal		HD-SDI, EX-SDI 1.0/2.0/2.1/3.0	
Output signal		HD-SDI, EX-SDI 1.0/2.0/2.1/3.0	
Max. transmission distance (RG-6)		HD-SDI : 200m EX-SDI 1.0 : 400m EX-SDI 2.0 : 600m EX-SDI 2.1 : 400m	
Connection Port	SDI In/Out	BNC-F(75Ω)	
	AC Input	3Pin INLET	
	RS-485	2Pin T. Block	
Power consumption (Idle Mode)		5W	10W
Temperature / Humidity		-10℃ ~ +50℃ / 0 ~ 80%	
Input power		~ AC 100 - 240V, 50/60Hz	
Case body / Weight		Steel / 3.5Kg	Steel / 4Kg
Dimensions(mm)		310(W) x 44(H) x 200(D)	430(W) x 44(H) x 350(D)

Set Composition

Model	SET
SC-SCP1004DH	SC-STP1001D x 4EA / SRP1004DH x 1EA
SC-SCP1008D	SC-STP1001D x 8EA / SRP1008D x 1EA

Application Diagram

■ SDI + Power + RS-485 data transmission over one coaxial cable

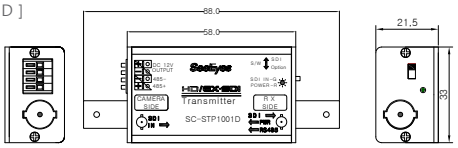


※ If the DVR supports UTC functions, it is possible to manage PTZ and OSD menu of the camera without separate RS-485 connection.

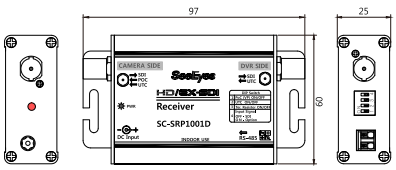
※ The transmission distance may vary, depending on cable/connector types and quality

Dimensions

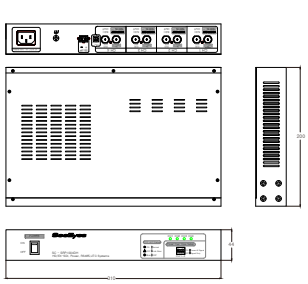
[SC-STP1001D]



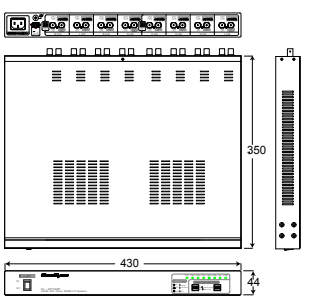
[SC-SRP1001D]



[SC-SRP1004DH]



[SC-SRP1008D]



SC-HLR01P

HD/EX-SDI Signal
+ Power Repeater

SC-HLR01P is an HD-SDI repeater for extending the transmission distance of HD-SDI signal. This product not only extends HD-SDI signal transmission distance but also provide power to operate the camera, repeater and transmitter over one coaxial cable. It is a cost-effective and easy solution for maintaining HD-SDI site.

Features

- Extend signal distance of HD-SDI, EX-SDI 1.0/2.0
- Multiple connection of Repeater for long distance transmission
- HD-SDI + Power transmission over one coax. cable
- Extend HD-SDI signal up to 200m (Full HD: 1.5G) / 100m (Full HD: 3G)
  ※ Extend additional distance by EX-LINK compliant
- Compact and light-weight aluminum case
- Built-in surge protection circuit

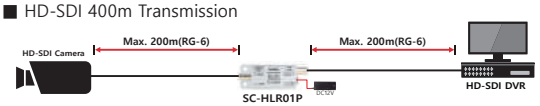
[SC-HLR01P]

Specifications

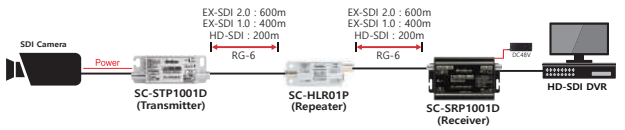
MODEL			SC-HLR01P
Video In / Out			HD-SDI, EX-SDI 1.0, EX-SDI 2.0
Input Power			DC12V~48V
Power Consumption			DC12V / 2W
Max. Transmission Distance (RG-6)			Full HD 1.5G : 200m, Full HD 3G : 100m EX-SDI 1.0 : 400m, EX-SDI 2.0 : 600m
Connection Port		SDI In / Out	BNC-F(75Ω)
		Power Input	DC Jack
LED	SDI	Green	On : Signal In
	Power	Red	On : Power In
Temperature / Humidity			-10°C ~ +50°C / 0 ~ 80%
Case Body / Weight			Aluminum / 100g
Dimensions(mm)			72(W) x 33(H) x 21(D)

Application Diagram

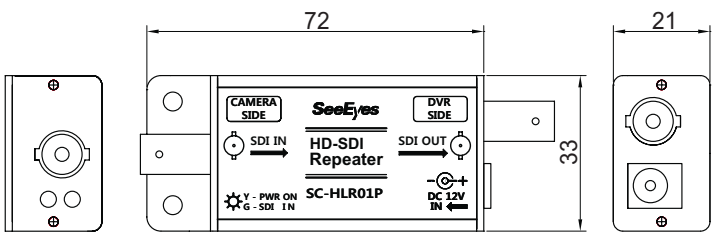
■ HD-SDI 400m Transmission



■ EX-LINK - HD-SDI + Power 800m Transmission



Dimensions



HD/EX-SDI TRANSMISSION

SC-HLR01D

HD/EX-SDI + Power + Data Repeater

SC-HLR01D is an HD-SDI repeater for extending the transmission distance of HD-SDI signal. This product not only extend HD-SDI signal transmission distance but also provide power to operate the camera, repeater and transmitter and control data (RS-485) over single coaxial cable. It is a cost-effective and easy solution for maintaining HD-SDI site.

Features

- Extend signal distance of HD-SDI, EX-SDI
- HD-SDI + Power transmission over one coax. cable
- Multiple connection of Repeater for long distance transmission
- Extend HD-SDI signal up to 200m (Full HD: 1.5G) / 100m (Full HD: 3G) / 400m (EX-SDI 1.0) over RG-6 cable
  ※ Extend additional distance by EX-LINK compliant
- RS-485 communication (simplex)
- Installation improvement : cost saving (30~50%)
- Self-diagnosis for safe power transmission
- Compact and light-weight aluminum case
- Built-in surge protection circuit

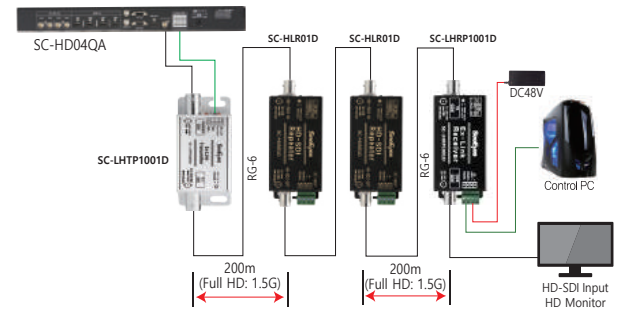
[SC-HLR01D]

Specifications

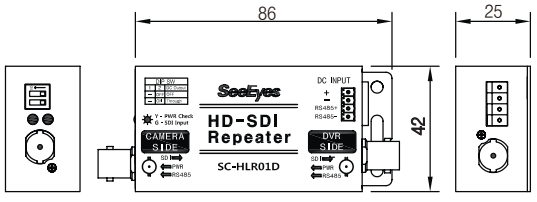
MODEL			SC-HLR01D		
Video In / Out			HD-SDI, EX-SDI		
Input Power			DC12V~48V (DC48V 1A when using VP)		
Power Consumption			DC48V 18mA		
Max. Transmission Distance (RG-6)			200m(Full HD: 1.5G) / 100m(Full HD: 3G) / 400m(EX-SDI 1.0)		
Transmission Bandwidth			270MHz ~ 3GHz		
Connection Port	SDI In / Out		BNC-F (75Ω)		
	VP Setting (power supply with SDI INPUT port) (DIP Switch)		DIP SW	OFF	ON
		1	-/Reclocker	-/ON	-/Pass
		2	VP_48V	OFF	ON
	Power Out / Data Out		2Pin / 2Pin Terminal Block		
Data Comm. Method			RS-485 / Simplex		
BAUDRATE			2400 / 4800 / 9600/ 19200		
LED	SDI	Green	On : Signal In		
	Power	Yellow	On : Power In / Flickering : Diagnosing or Abnormal		
Temperature / Humidity			-10°C ~ +50°C / 0 ~ 80%		
Case Body / Weight			Aluminum / 100g		
Dimensions(mm)			86(W) x 42(H) x 25(D)		

Application Diagram

■ HD-SDI Splitter (HD-SDI+Power+Data) Transmission



Dimensions



SC-SDHD01/HDSD01

SD(CVBS) to HD-SDI converter / HD-SDI to SD(CVBS) converter

SC-SDHD01 is an SD to HD-SDI converter that can receive SD Analog (CVBS) video signals and convert it to HD-SDI signals. SC-HDSD01 is an HD-SDI to CVBS converter that can downscale (convert) HD-SDI signals to SD Analog (CVBS). Also, SC-HDSD01 can output 16:9 or 4:3 aspect ratio, and it is possible to extend the HD-SDI signal distance thanks to the built-in Equalizer and Reclocker.

Features

[SC-SDHD01]

- Upscales SD Analog video signals and output HD-SDI signals
- Supports various output resolutions
  - 1280x720(50p, 60p), 1920x1080(50i, 60i, 25p, 30p, 50p, 60p)
- Hybridization possible by converting general analog cameras to HD-SDI DVR
- 16:9, 4:3 aspect ratio selectable
- Small / lightweight aluminum case
- Built-in surge protection circuit

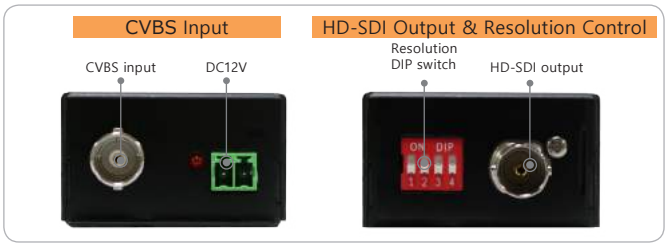
[SC-HDSD01]

- Downscales HD-SDI signals to SD Analog(CVBS) signals
- SDI repeater supported: various HD-SDI input/output resolutions
- HD-SDI signal distance amplification with built-in equalizer and reclocker
- Able to build HD-SDI system using existing analog matrix system
- Output 16:9 or 4:3 aspect ratio of CVBS video
- Built-in surge protection circuit

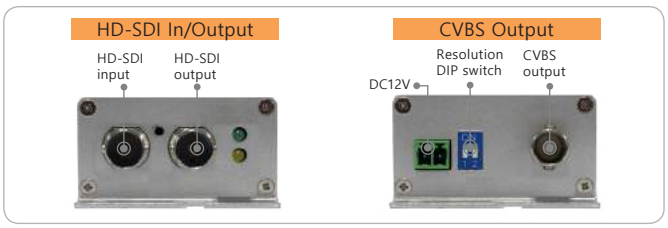
[SC-SDHD01]

[SC-HDSD01]

SC-SDHD01 Interface



SC-HDSD01 Interface



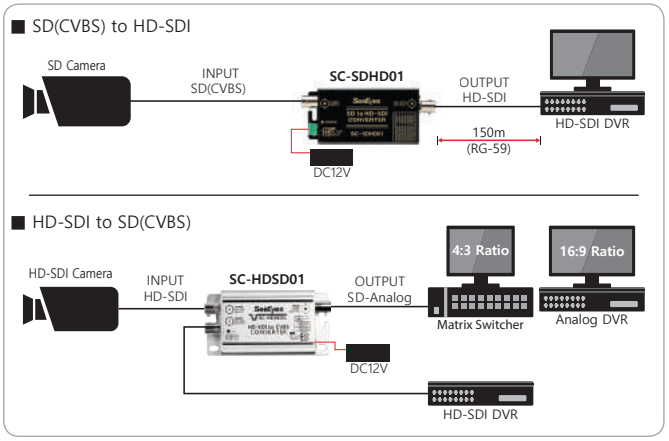
Specification

MODEL			SC-SDHD01 (SD(CVBS) to HD-SDI)
Video	Input	CVBS	75Ω, 1Vp-p/BNC-F
	Output	HD-SDI(1ch)	1920x1080(50i,60i,25p,30p,50p,60p)
Power input			2P Terminal Block, DC 12V 500mA
Power consumption			12V / 140mA
Temperature / Humidity			0°C ~ +50°C / 0 ~ 80%
Case Body / Weight			Aluminium / 100g
Dimensions(mm)			86(W) x 42(H) x 25(D)
MODEL			SC-HDSD01 (HD-SDI to SD(CVBS))
HD-SDI Input Resolution			1920 x 1080 (p24, p35, p29,97, p30, p50, p59.94, p60), 1920 x 1080 (i50, i59.94, i60), 1280 x 720 (p50, p59.94, p60)
CVBS 출력			BNC-F, 75Ω, 1Vp-p, NTSC or PAL
Power consumption			DC12V / 170mA
Power input			DC12V 500mA adapter
Temperature / Humidity			0°C ~ +50°C / 0 ~ 80%
Case Body / Weight			Aluminium / 96g
Dimensions(mm)			97(W) x 50(H) x 27.5(D)

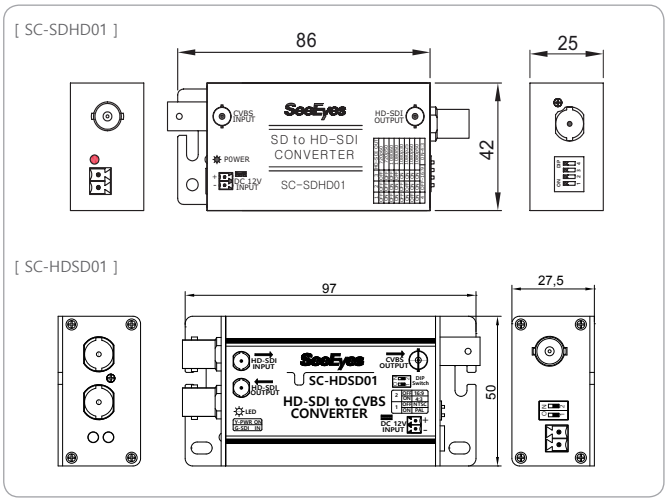
SC-HDSD01 DIP Switch

Switch	Number 1	Number 2
OFF	NTSC Output	16:9 Ratio
ON	PAL Output	4:3 Ratio

Application Diagram



Dimensions



HD/EX-SDI TRANSMISSION

SC-HDT0801S

HDMI to HD-SDI Converter

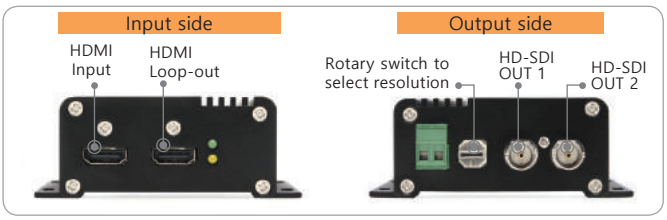
SC-HDT0801S is a converter that converts HDMI signals to standard HD-SDI signals. It can output the SDI signals in various resolutions by adjusting the rotary switch. Thanks to the HDMI loop-out port, the same HDMI resolution can be output without any signal loss. It can transmit the HD-SDI signals for long distances up to 200m(RG-6) when it is paired with its sister product(SC-HDR01S).

Features

- Converting HDMI to HD-SDI signal
- 1 in / 3 out (HDMI x 1 output / HD-SDI x 2 outputs)
- HDMI loop-out feature
- HD-SDI output resolution adjustment by rotary switch
  ex) Input: 720p 60 > Output: 1080p 30
- Maximum Transmission distance:
  - 200m (Full HD: 1.5G), 100m (Full HD: 3G) over RG-6
  - 150m (Full HD: 1.5G), 85m (Full HD: 3G) over RG-59
- Surge protection

[SC-HDT0801S]

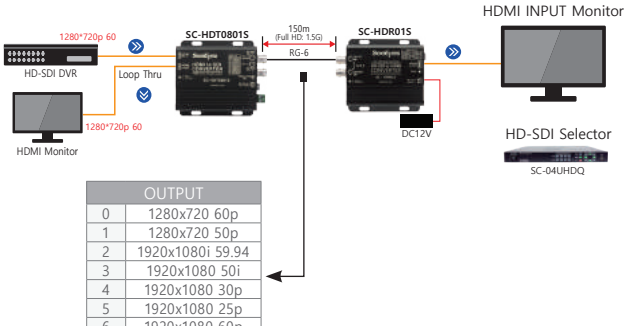
SC-HDT0801S Interface



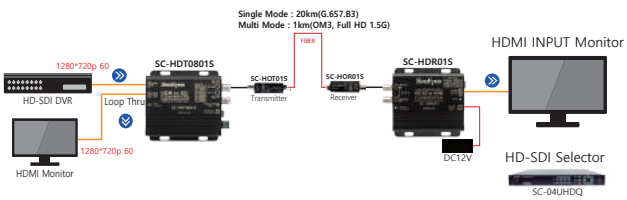
Specifications

MODEL		SC-HDT0801S			
Input signal		HDMI			
Output signal		HDMI Loop-out			
		HD-SDI x 2 (Full HD : 1.5G, Full HD : 3G)			
Power	Input	DC 12V ~ 48V			
	Operation status	Red LED on: Successful power input			
HD-SDI output setting (Rotary DIP Switch)		SW No.	OUTPUT	SW No.	OUTPUT
		0	1280x720p 60	4	1920x1080p 30
		1	1280x720p 50	5	1920x1080p 25
		2	1920x1080i 59.94	6	1920x1080p 60
		3	1920x1080i 50	7	1920x1080p 50
Max. transmission distance (RG-6)		200m (Full HD : 1.5G) / 100m (Full HD : 3G)			
Connection Port	HD-SDI output	BNC-F x 2			
	HDMI input/output	HDMI A Type			
	Power input	2PIN Terminal Block			
LED	Green	On: Successful SDI output			
	Yellow	On: Successful Power input			
Temperature / Humidity		-10°C ~ +50°C / 0 ~ 80%			
Case / Weight		Aluminum / 220g			
Dimensions(mm)		93(W) x 93 (H) x 35(D)			

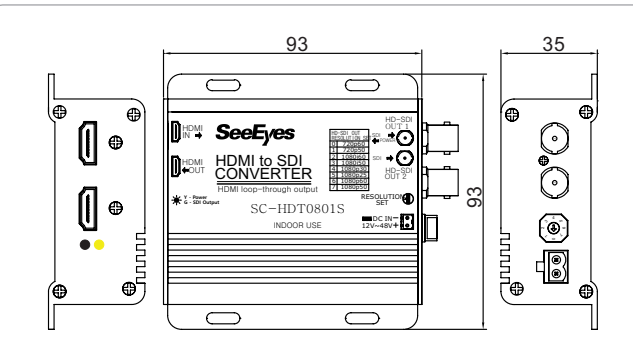
Application diagram



■ HD-SDI Long Transmission via Fiber Optic converters



Dimensions



SC-HDR01S

HD-SDI to HDMI Converter

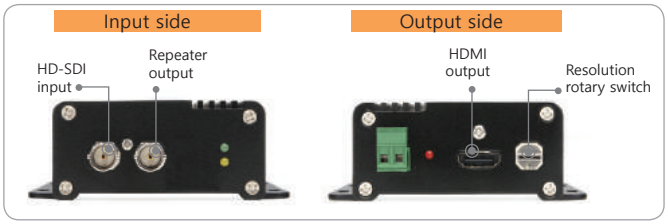
SC-HDR01S converts HD-SDI signals to HDMI signals. It has a built-in rotary switch for scaling adjustment so that the HDMI output can be set to different resolutions regardless of the input resolution. By paring with SC-HDT0801S, it can transmit the HDMI signals over long distances without any loss of signal.

Features

- It receives HD-SDI signals and converts them to HDMI signals
- HDMI output resolution adjustment rotary switch
  ex) HD-SDI input: 1080p30 → HDMI output: 1080p60
- Long distance transmission is possible via RG-6 coaxial cable
  - 200m (Full HD: 1.5G) / 100m (Full HD: 3G)
- Built-in HD-SDI repeater function
- Built-in surge protection circuit
- Embedded audio is supported for broadcasting
- Transmission of the HDMI signals for a long distance without any signal loss when it is paired with SC-HDT0801S.

[SC-HDR01S]

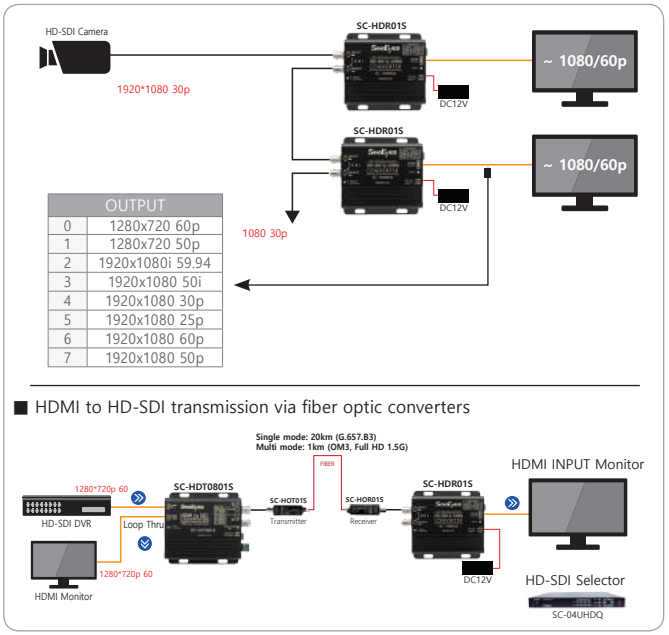
SC-HDR01S Interface



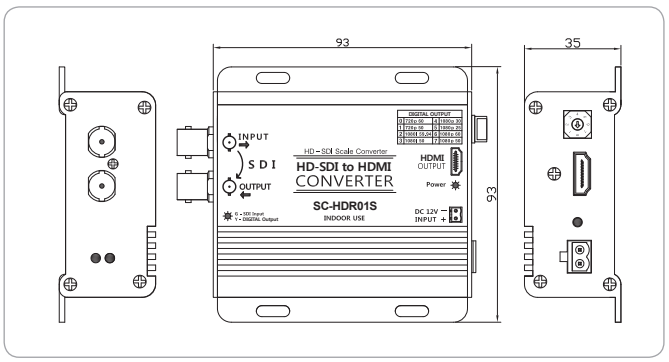
Specifications

MODEL		SC-HDR01S			
Input signal		HD-SDI(Full HD : 1.5G, Full HD : 3G))			
Output signal		HDMI (HDMI 1.3,DVI Compliant : Out)			
		HD-SDI (When using as a Buffered Output Repeater)			
HDMI output setting (Rotary DIP Switch)		SW No.	OUTPUT	SW No.	OUTPUT
		0	1280x720p 60	4	1920x1080p 30
		1	1280x720p 50	5	1920x1080p 25
		2	1920x1080i 59.94	6	1920x1080p 60
		3	1920x1080i 50	7	1920x1080p 50
Connection port	HD-SDI in/output	BNC-F_75Ω			
	HDMI output	HDMI A Type			
	Power input	2PIN Terminal Block			
LED	Green	ON: Successful HD-SDI signal input			
	Yellow	ON: Successful HDMI output			
	RED	ON: Successful power input			
Power input		DC 12V / 0.5A or higher			
Power Consumption		Max 2.6W			
Temperature / Humidity		-10°C ~ +50°C / 0 ~ 80%			
Case / Weight		Aluminum / 220g			
Dimensions(mm)		93(W) x 93(H) x 35(D)			

Application Diagram



Dimensions



SC-HDT01E

HDMI to HD/EX-SDI Converter

SC-HDT01E is a converter that converts HDMI signals to HD-SDI and EX-SDI signals. It can output various HD-SDI resolutions and EX-SDI 1.0 / 2.0 and supports the HDMI loop-through function. HD-SDI signal and EX-SDI signal can be output simultaneously and applied to various field application diagrams. Particularly when connected to the SC-HDR01E, HDMI images can be transmitted over long distances and RS-485 control data can be transmitted simultaneously via coaxial cable.

Features

- Converting the HDMI input signals to HD-SDI, EX-SDI signals
  - HD-SDI and EX-SDI output available at the same time
- Supports various HDMI input resolutions (~ 1080p60Hz)
  - HD-SDI, EX-SDI (~ 1080p60Hz)
- HDMI loop through
- 1-input/3-output distribution (HDMI x 1, HD-SDI x 1, EX-SDI x 1)
- HD-SDI output resolution & EX-SDI 1.0 / 2.0 selection switch
- Available for transmission up to 200m for HD-SDI (1.5 G) and 600m for EX-SDI 2.0 via RG-6 cable
- Provides RS-485 (half duplex) input port: When connected to SC-HDR01E in EX-SDI signal, RS-485 control data can be transmitted simultaneously via coaxial cable - UTC function

NEW

[SC-HDT01E]

Recommended Configurations

[SC-HDR01E]

[EX-SDI(1.0, 2.0) DVR]

SC-HDT01E Interface

Specifications

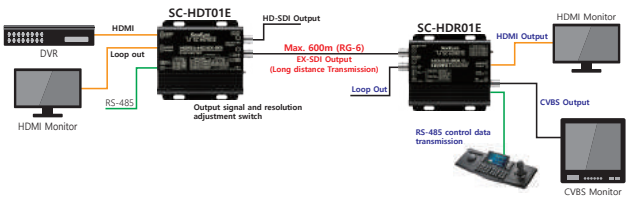
MODEL		SC-HDT01E (HDMI to HD-SDI/EX-SDI Converter)			
Input Signal		HDMI 1.3, DVI Compliant			
HDMI Output Signal		HDMI Through Out			
HD-SDI Output Signal		Full HD: 1.5G, Full HD: 3G			
HD/EX-SDI Output Signal		EX-SDI 1.0, EX-SDI 2.0 Full HD: 1.5G, Full HD: 3G			
Max. Transmission Distance (RG-6)		200m (Full HD: 1,5G) / 100m (Full HD: 3G) 400m (EX-SDI 1.0 or EX-SDI 2.0 3G) 600m (EX-SDI 2.0)			
HD-SDI Output Setting (Rotary DIP Switch)		SW No.	OUTPUT	SW No.	OUTPUT
		0	1280x720p 60	4	1920x1080p 30
		1	1280x720p 50	5	1920x1080p 25
		2	1920X1080i 60	6	1920x1080p 60
		3	1920x1080i 50	7	1920x1080p 50
Connection PORT	HD/EX-SDI Output	BNC-F x 1 (each)			
	HDMI In/Output	HDMI A Type x 1 (each)			
	Power Input	DC Jack			
	RS-485	Terminal Block 1p			
LED	Green	ON : HDMI Input			
	Red	ON : Power Input			
Input Power		DC12V 0.5A or higher			
Temperature / Humidity		-10°C ~ +50°C / 0 ~ 80%			
Case / Weight		Aluminum / 202g			
Dimensions(mm)		93(W) X 92.5(H) X 35(D)			

EX-SDI Supporting Resolution

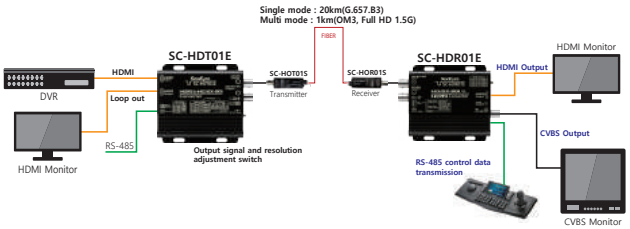
EX-SDI 1.0	EX-SDI 2.0
1280x720p, 50/60 1920X1080i, 50/60 1920x1080p, 25/30	1280x720p, 50/60 1920X1080i, 50/60 1920x1080p, 25/30 1920x1080p, 50/60

Application Diagram

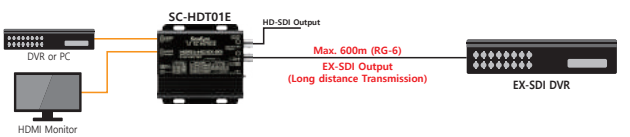
■ HDMI + RS-485 long transmission



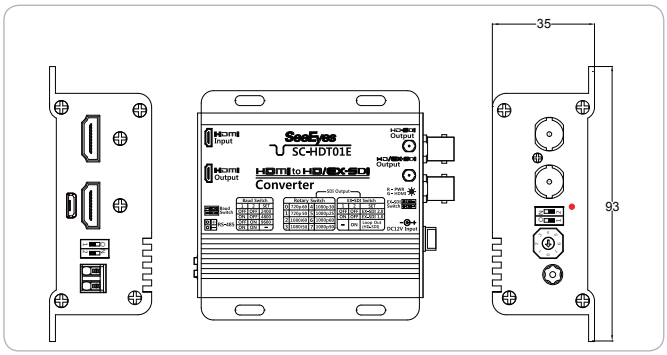
■ Fiber optic solution (HDMI - HD-SDI)



■ HDMI - EX-SDI long transmission



Dimensions



SC-HDR01E

EX-SDI to HDMI / CVBS Converter

SC-HDR01E is a converter that converts EX-SDI signals to HDMI signals and can also output various signals such as HDMI, EX-SDI and CVBS from the EX-SDI 1.0 / 2.0 input signals. This product can be applied to various application diagrams such as EX-SDI signal monitoring or external transmission. Particularly when connected to the SC-HDT01E, HDMI images can be transmitted over long distances and RS-485 control data can be transmitted simultaneously via coaxial cable.

Features

- Converting EX-SDI 1.0 / 2.0 input signals to HDMI / CVBS signal
- Support various HDMI output resolutions (~ 1080p60Hz)
- 1-input/3-output distribution (HDMI x 1, SDI Loop Out x 1, CVBS x 1)
- When connected to SC-HDT01E, the HDMI signal can be transmitted up to 600m via EX-SDI 2.0 over RG-6 cable
- Provides RS-485(Half Duplex) input port
  : If it is connected to SC-HDT01E in EX-SDI signal, RS-485 control data could be transmitted simultaneously by Coaxial cable – UTC function

NEW

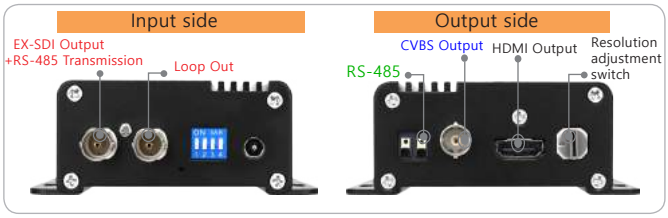
[SC-HDR01E]

Recommended Configurations

[SC-HDT01E]

[EX-SDI(1.0, 2.0) Camera]

SC-HDR01E Interface



Specifications

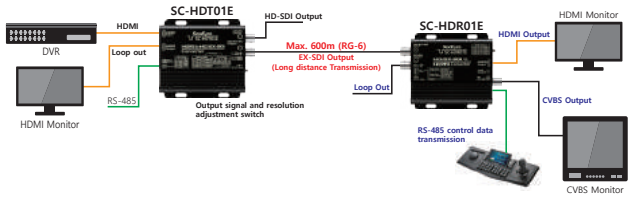
MODEL		SC-HDR01E (EX-SDI to HDMI/CVBS Converter)			
Input Signal		Full HD: 1.5G, Full HD: 3G EX-SDI 1.0, EX-SDI 2.0, EX-SDI 3G			
HDMI Output Signal		HDMI 1.3, DVI Compliant			
SDI Output Signal		EX-SDI 1.0, EX-SDI 2.0			
CVBS Output Signal		CVBS, 1Vp-p, NTSC/PAL			
Max. Transmission Distance (RG-6)		200m (Full HD: 1,5G) / 100m (Full HD: 3G) 400m (EX-SDI 1.0 or EX-SDI 2.0 3G) 600m (EX-SDI 2.0)			
HDMI Output Setting (Rotary DIP Switch)		SW No	OUTPUT	SW No.	OUTPUT
		0	1280x720p 60	4	1920x1080p 30
		1	1280x720p 50	5	1920x1080p 25
		2	1920x1080i 60	6	1920x1080p 60
		3	1920x1080i 50	7	1920x1080p 50
Connection PORT	EX-SDI In/Output	BNC-F x 1 (each)			
	HDMI Output	HDMI A Type			
	CVBS Output	BNC-F			
	Power Input	DC Jack			
	RS-485	Terminal Block 1p			
LED	Green	ON : SDI Input			
	Red	ON : Power Input			
Input Power		DC 12V 0.5A or higher			
Temperature / Humidity		-10°C ~ +50°C / 0 ~ 80%			
Case / Weight		Aluminum / 202g			
Dimensions(mm)		93(W) X 92.5(H) X 35(D)			

EX-SDI Supporting Resolution

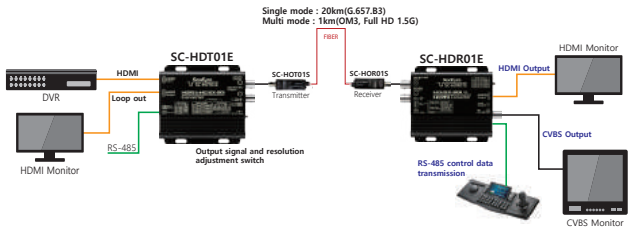
EX-SDI 1.0	EX-SDI 2.0
1280x720p, 50/60 1920X1080i, 50/60 1920x1080p, 25/30	1280x720p, 50/60 1920X1080i, 50/60 1920x1080p, 25/30 1920x1080p, 50/60

Application Diagram

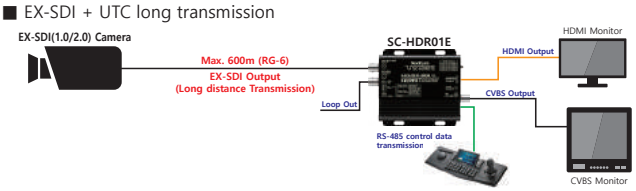
■ HDMI + RS-485 long transmission



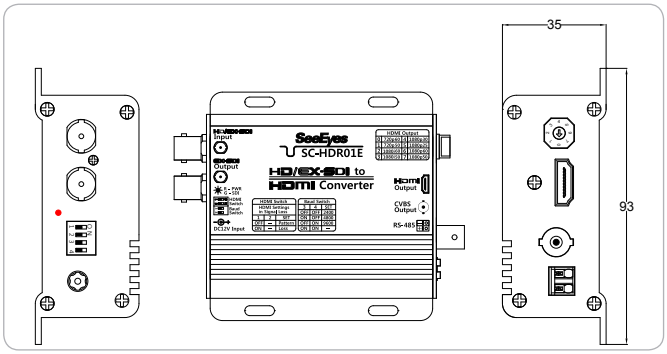
■ Fiber optic solution (HDMI - HD-SDI)



■ EX-SDI + UTC long transmission



Dimensions



SC-HOC01S

HD-SDI Fiber Optic Transmission

SC-HOC01S(Tx :SC-HOT01S + Rx :SC-HOR01S) is a fiber optic converter kit that can transmit HD/EX-SDI signals over long distances without signal loss. It supports Full HD 1.5G/3G and EX-SDI 1.0 input signals. It comes in a small size for the convenience of carriage & easy installation.

Features

- HD/EX-SDI long distance transmission over fiber optic cable
  1) Single mode - 20km (G.657.B3)
  2) Multi mode – 1km (MM50 / 125um OM3, Full HD 1.5G)
- Various input signals (Full HD 1.5G, Full HD 3G, EX-SDI 1.0)
- LC connector
- Compact and ultra-light case for easy installation
- Dual input voltage : DC12V, AC24V

NEW [SC-HOT01S]
(Transmitter)

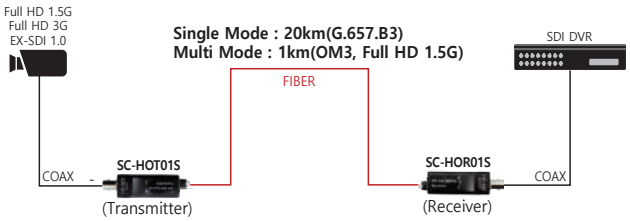
NEW [SC-HOR01S]
(Receiver)

Specification

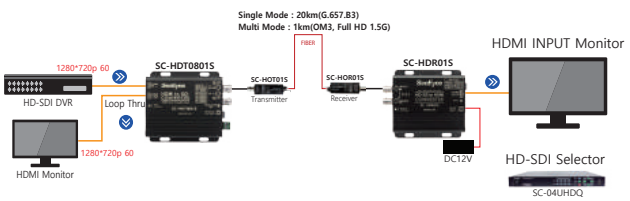
MODEL			SC-HOT01S	SC-HOR01S
Input			HD/EX-SDI	Optical
Output			Optical	HD/EX-SDI
Power Input			DC12V / AC24V	
Power Consumption			DC12V 104mA / AC24V 88mA	DC12V 87mA / AC24V 77mA
Optical Fiber Maximum Transmission Distance		Single mode fiber	EX-SDI 1.0 : 20km Full HD 1.5G : 20km Full HD 3G: 20km	
		Multi mode fiber	EX-SDI 1.0 : 3km Full HD 1.5G : 1km Full HD 3G : 700m	
Optical Fiber(Test fiber)			Multi mode fiber (MM50 / 125um OM3)	
			Single mode fiber (SM G.657.B3)	
Transmission Method			SMPTE 259M, SMPTE 292M, SMPTE 424M	
Transmission Bandwidth			270Mbps ~ 3Gbps	
Optical Power Wavelength			at 1310 nm	
Output Optical Power			-2 ~ -5 dBm	-
Receiving Sensitivity			-	Below -15 dBm
Connection Port	HD-SDI In/Out		BNC-F (75Ω)	
	Optical In/Out		LC	
LED	HD-SDI(s)	Red	On : In(TX)	
	Optical(S)	Red	On : In(RX)	
	Power(s)	Red	On : Normal (TX, RX)	
Temperature / Humidity			-20°C ~ +70°C / 0% ~90%	
Case Body / Weight			PC / 32g	
Dimension (mm)			MAIN : 73(W) x 23(H) x 20(D) POWER : 19.7(W) x 40(H) x 19.9(D)	

Application Diagram

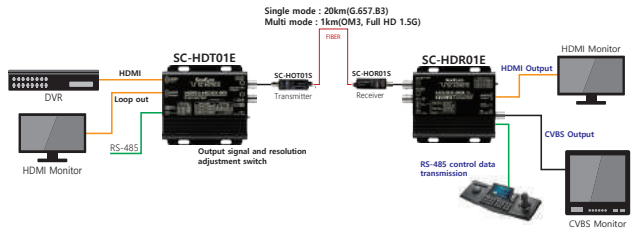
■ Application 1 : SDI via fiber optic[SC-HOC01S] transmission



■ Application 2 : HDMI to HD-SDI transmission via fiber optic[SC-HOC01S]

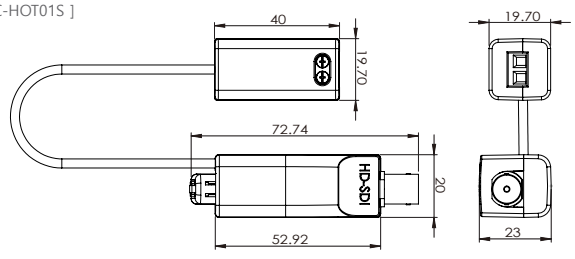


■ Application 3 : HDMI to EX-SDI transmission via fiber optic[SC-HOC01S]

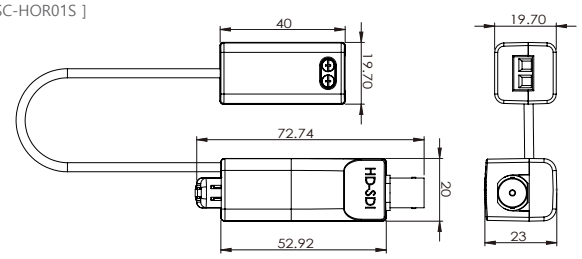


Dimension

[SC-HOT01S]



[SC-HOR01S]



SC-HDMC01

HD-SDI Media Converter

SC-HDMC01 (Full HD Media Converter) is an HD-SDI MEDIA converter that receives HD-SDI video signals, up-scales and down-scales them, and converts them into various output signals(HDMI, HD-SDI, VGA, CVBS).

Features

- Converting HD-SDI to HD-SDI(loop thru)/HDMI/VGA/CVBS signals
- HD-SDI, VGA output selectable
  (HDMI output is always available)
- HD-SDI, VGA output resolution selectable by rotary switch
- Various output signals
  - HD-SDI Out / Through Out (~3G)
  - HDMI Out (~1080p 60Hz)
  - VGA Out (~1600 x 1200/60Hz)
  - CVBS Out
- Surge protection circuit built-in

[SC-HDMC01]

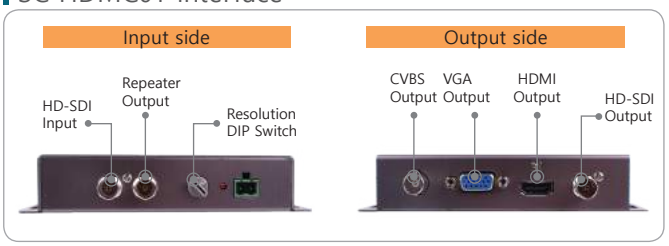
Output Resolution

No.	Output Resolution (HD, HD-SDI)	No.	Output Resolution
0	1280 x 720p60	8	1024 x 768p(VGA)
1	1280 x 720p50	9	1280 x 1024(VGA)
2	1920 x 1080i60	A	1360 x 768(VGA)
3	1920 x 1080i50	B	1600 x 1200(VGA)
4	1920 x 1080p30	C	1440 x 900(VGA)
5	1920 x 1080p25	D	1680 x 1050(VGA)
6	1920 x 1080p60	E	Power ON PAL
7	1920 x 1080p50	F	Power ON NTSC

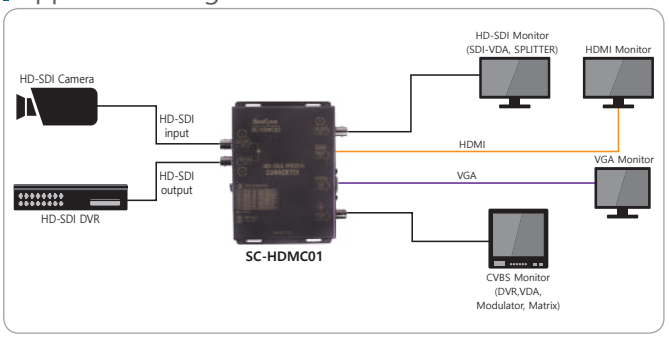
Specifications

MODEL			SC-HDMC01
Video	Input	HD SDI(1CH)	1280x720(p50,p60)
			1920x1080(i50,i60,p25,p30,p50,p60)
	Output	HD SDI(1ch) Looped Through	1280x720(p50,p60)
			1920x1080(i50,i60,p25,p30,p50,p60
		HD SDI	1280x720(p50,p60)
			1920x1080(i50,i60,p25,p30,p50,p60
		HDMI	1280x720(p50,p60)
			1920x1080(i50,i60,p25,p30,p50,p60)
		D-SUB	1024x768p60(VGA),1280x1024p60(VGA), 1360x768p60(VGA),1600x1200p60(VGA), 1440x900p60(VGA),1680x1050p60(VGA)
		CVBS	720 x 480/60Hz,720 x 567/50Hz
			NTSC / PAL selectable
POWER INPUT			2P Terminal, DC 12V / (higher than)1A
Power Consumption			12V/0.6A
Temperature / Humidity			0℃ ~ +50℃ / 0 ~ 80%
Case Body / Weight			Aluminium / 250g
Dimensions(mm)			94(W) x 141(H) x 27(D)

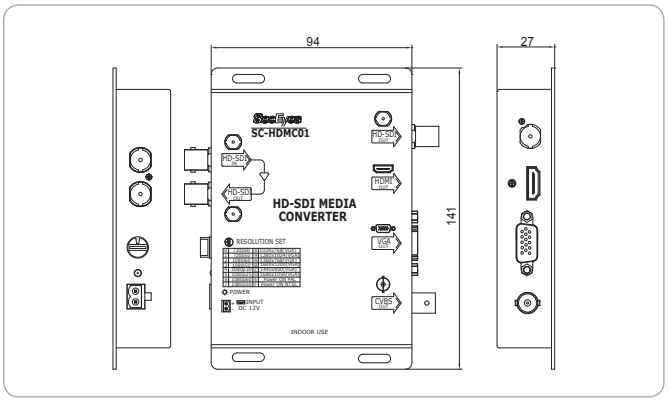
SC-HDMC01 Interface



Application Diagram



Dimensions



HD/EX-SDI TRANSMISSION

SC-HD1VDA
SC-HD8VDA/16VDA

HD/EX-SDI Distribution Amplifier

SC-HD1/8/16VDA is an HD/EX-SDI distribution amplifier to distribute and output SDI signals. SC-HD8VDA is compliant with SMPTE-292M and SMPTE-424M standards. It supports outstanding re-clocking and equalization. So, it enables stable & long-distance transmission.

Features

- For HD-SDI digital video signals
  1IN/4OUT, 8IN/32OUT, 1IN/16OUT distribution function
- Various input support (Full HD: 1.5G, Full HD: 3G, EX-SDI)
- High-quality HD-SDI signal transmission with high-performance re-clocking, equalization, and cable driver
- Transmission of 200m (Full HD: 1.5G) / 100m (Full HD: 3G) with RG-6 coaxial cable
  - SC-HD8VDA : 150m (Full HD: 1.5G) / 75m(Full HD: 3G) transmission
- Built-in surge protection circuit

[SC-HD1VDA]

[SC-HD8VDA] 8 IN 32 OUT

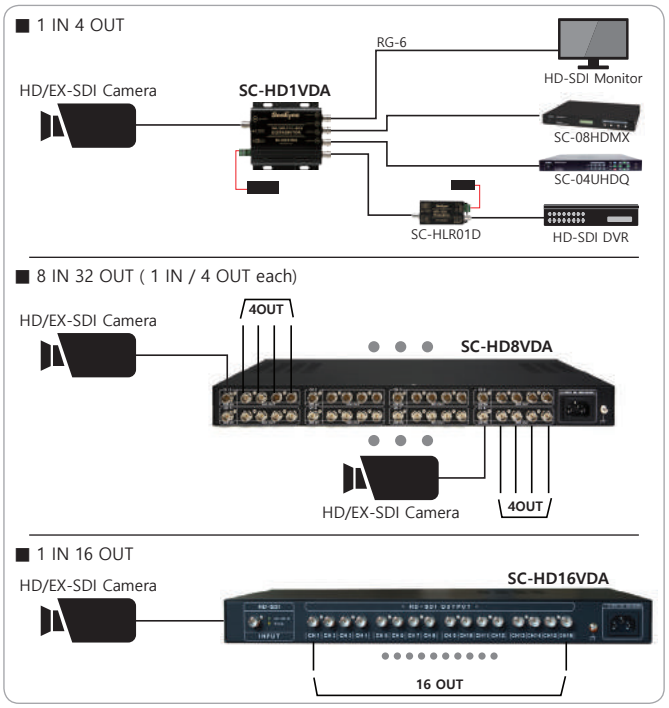
[SC-HD16VDA] 1 IN 16 OUT

Specifications

MODEL			SC-HD1VDA
Video In/Out			HD-SDI, EX-SDI
Power Input			DC12V~48V
Power Consumption			165mA(DC12V)
Max. Distance (RG-6, RG-59)			Full HD 3G: 100m(RG-6), 85m(RG-59) Full HD 1.5G: 200m(RG-6), 150m(RG-59) EX-SDI 1.0: 430m(RG-6), 330m(RG-59) EX-SDI 2.0: 650m(RG-6), 500m(RG-59)
Bandwidth			270Mbps ~ 3Gbps
Connection Port	HD-SDI In/Out		BNC-F(75Ω)
	Video In		1 IN
	Video Out		4 OUT
LED	HD-SDI	Green	On: SDI signal Input
	Power	Yellow	On: Normal / Off: Flashing
Temperature / Humidity			0°C ~ +50°C / 0 ~ 80%
Case body / Weight			Aluminium / 240g
Dimension(mm)			93(W) x 93(H) x 35(D)

MODEL			SC-HD8VDA	SC-HD16VDA
Video Input/Output			HD-SDI, EX-SDI	
Power Input			AC 100~240V 50/60Hz	
Power Consumption			Max. 28W	Max. 15W
Max. Distance (RG-6)			Full HD 3G : 70m Full HD 1.5G : 170m EX-SDI 1.0 : 250m EX-SDI 2.0 : 350m	Full HD 3G : 100m Full HD 1.5G : 200m EX-SDI 1.0 : 400m EX-SDI 2.0 : 600m
Connection Port	HD-SDI In/Out		BNC-F(75Ω)	
	Video In		8 IN (1~8ch)	1 IN
	Video Out		32 OUT	16 OUT
LED	HD-SDI	Green	On: SDI signal Input	On: SDI signal Input
	Power	Yellow	On: Power on	On: Power on
Temperature / Humidity			0°C ~ +50°C / 0 ~ 80%	
Case body / Weight			Steel / 4.5Kg	Steel / 3.8Kg
Dimension(mm)			430(W) x 44(H) x 350(D)	430(W) x 44(H) x 350(D)

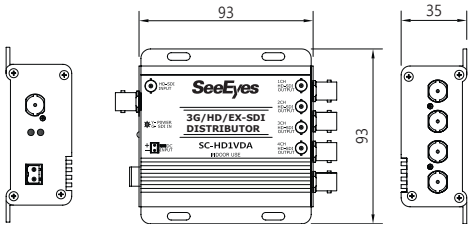
Application Diagram



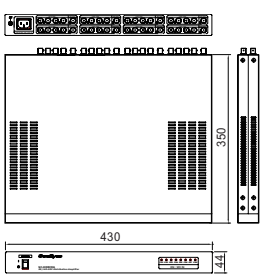
※ Reclocking is not supported.

Dimensions

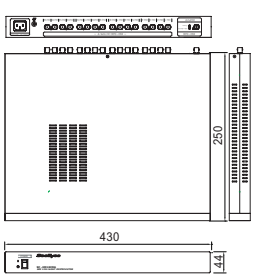
[SC-HD1VDA]



[SC-HD8VDA]



[SC-HD16VDA]



VIDEO CONTROL SYSTEM

SC-04MHD

4CH Multiformat /
Full HD Video Splitter

SC-04MHD, Digital Full HD Splitter, receives HD Analog (AHD, TVI, CVI) and/or CVBS video signals from Max. four cameras and displays them in various split modes and formats.
In addition, it displays the video clearly in a Full HD monitor with 1920x1080p high resolution. With SeeEyes SC-04MHD, it is possible to amplify video signals to external devices such as DVRs via loop through output ports and also the remote control is available through RS-485 ports. It displays the date, time, the name of each channel, current status on the monitor as well as the channel loss.

Features

- Multiformat quad screen splitter with real time display
- Display high resolution pictures through high image processing
- Various video input: AHD/TVI/CVI(~1080p), CVBS (NTSC/PAL)
- Various video output (HDMI, 15Pin D-Sub, CVBS, Loop through output)
- Various output resolutions
  - HDMI : 1920x1080p 25/30/50/60Hz, 1920x1080p 50/60Hz, 1280x720p 50/60Hz
  - VGA : 1920x1080p 60Hz, 1280X720p 60Hz, 1024x768@60Hz, 1360x768@60Hz, 1600x1200@60Hz
- CVBS : NTSC, PAL
- Various split mode : 2, 3, 4 split
- Cropping function
- Auto sequence mode
- Display the date, time, the name of each channel, current status
- RS-485 communication port for external devices

[SC-04MHD]

[Rear side]

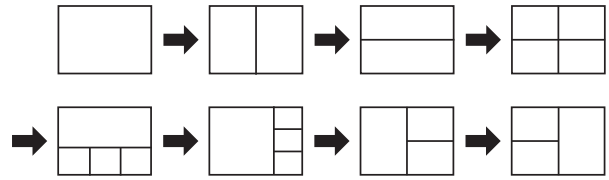
※ Upgrading to Support 8MP

AHD 8M
TVI 8M
CVI 8M
CVBS

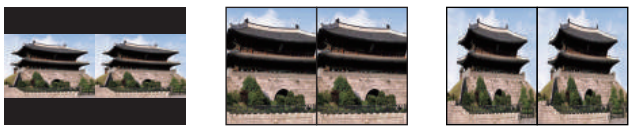
Specifications

MODEL			SC-04MHD
Video	INPUT		BNC-F(75Ω 1Vp-p) x 4 (AHD/TVI/CVI/CVBS)
	OUTPUT		BNC-F (Looped through output / 75Ω 1Vp-p) x 4
			HD X 1, D-SUB X 1, BNC-F X 2
	Output Resolution	HDMI	Full HD : 1920 x 1080P @50/60Hz
			HD : 1920 x 1080i @50/60Hz
			WSXGA : 1680 x 1050 @50/60Hz
			SXGA : 1280 x 1024 @50/60Hz
		D-SUB	SXGA, WSXGA
		BNC-F	(Monitor)720 x 480 @50/60Hz
	FORMAT		NTSC / PAL selectable
	Split Mode		1, 2V, 2H, 4, 4B, 4R, 3L, 3R
	OSD(On Screen Display)		Inserting up to 16 characters (Alphabet and/or numbers)
External Interface	RJ-45		Firmware upgrade
	RS-485		External device connection
	Terminal Block		Alarm Input: 4(8P) Alarm output: 1(2P) RS-485: 1(2P) DC12V/0.3A output:1(2P)
Input Power			2P Terminnal Block DC12V/0.5A
Power Consumption			6W
Temperature / Humidity			0°C ~ +50°C / 0 ~ 80%
Case body / Weight			Steel/ 1.3kg
Dimensions (mm)			220(W) x 44(H) x 190(D)

Split Mode

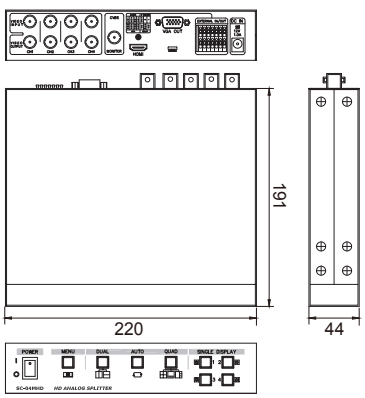


Cropping Mode

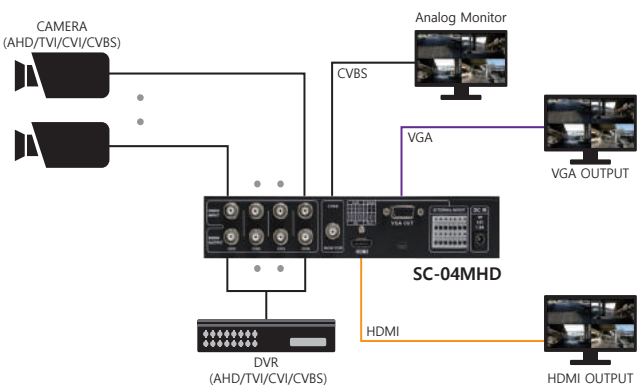


Full Mode | Crop Mode | Normal

Dimensions



Application Diagram



SC-04UHDQ

KVM function built-in
4CH UHD Video Splitter

The video splitter SC-04UHDQ (Ultra HD Digital Quad) receives up to 4 channels of HDMI Ultra HD (3840 x 2160) signals and displays them in different split modes or sequences the video images very clearly. In addition, the remote control is available via the RS-422 port. It shows the date, time, name of each channel, specific channel loss, etc.

Features

- HDMI Ultra HD video input
- HDMI loop-through output (same format as input signal)
- Display high resolution images through high image processing
- Integrated surveillance system available with DVR, NVR or PC due to the 4-channel HDMI input of the SC-04UHDQ
- Up to 4 DVR menu control via mouse or keyboard thanks to the integrated KVM function of the SC-04UHDQ
- Auto sequence function
- Trimming function
- Different video output resolutions
  : 3040 x 2160 (25p, 30p), 1920 x 1080 (50i, 60i, 50p, 60p)
- Displays the date, time, the name of each channel, the current status
- RS-422 communication port for external devices

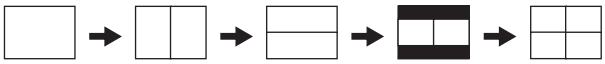
[SC-04UHDQ] 4K

[Rear]

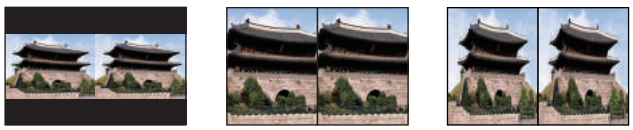
Specifications

MODEL			SC-04UHDQ
Video	Input	HDMI (4ch)	3840x2160(25p, 30p) 1920x1080(50i, 60i, 50p, 60p)
	Output	HDMI	3840x2160(25p, 30p) 1920x1080(50p, 60p)
	Split Mode		1, 2HS, 2HN, 2VS, 2VF, 2VN, 4B, 4R, 4
	OSD (On Screen Display)		Inserting up to 16 characters (Alphabet and/or numbers)
External Interface	MINI USB		Firmware upgrade
	14P T. Block	ALARM	Input : x4 (8P), Output : x1 (2P)
		RS-422	External device connection
Power Input			4P Din Jack, over than DC 12V 1.5A
Power Consumption			12V / 1.05A
Temperature / Humidity			0°C ~ +50°C / 0 ~ 80%
Case body / Weight			Steel / 3.5Kg
Dimensions (mm)			430(W) X 44(H) X 350(D)

Split Mode

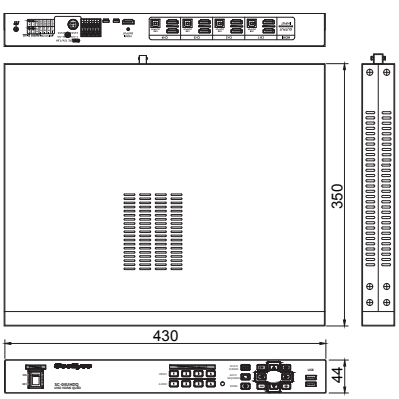


2-Split Mode

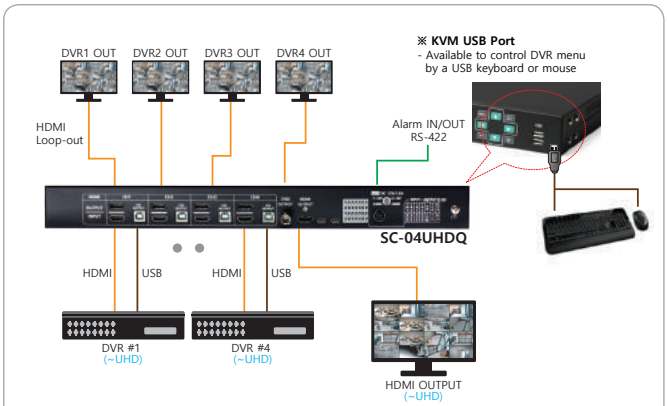


Full Mode | Crop Mode | Normal

Dimensions



Application Diagram



VIDEO CONTROL SYSTEM

SPECIAL ITEM

7" Tester Monitor Table

Function			Model			Remark
			SC-MFM07HD	SC-IPM07HD	SC-IPM07PRO	
LCD Panel		LCD Panel Screen	1280 x 800(IPS Panel)	1280X800(IPS Panel)	1920 x 1200(IPS Panel)	
Screen		Tempered glass	O	O (Touch Screen)	O (Touch Screen)	
Battery		Duration	6H ~8H	6H ~8H	6H ~8H	
NETWORK		NETWORK INPUT / OUTPUT	-	10/100Mbps(RJ-45)	10/100/1000Mbps(RJ-45)	
		PoE	-	PoE	PoE	
		WIFI	-	WIFI-Dongle	WIFI-Dongle	
		PROTOCOL	-	ONVIF, RTSP, Custom	ONVIF, RTSP, Custom	
		Video Codec	-	H.264	H.264 / H.265	
		Camera Viewer/Scan/Settings	-	O	O	
		SFP PORT	-	-	O	
Input/Output Signal		HD-SDI INPUT	HD-SDI INPUT	HD-SDI INPUT	HD-SDI INPUT	
		EX-SDI INPUT	EX-SDI 1.0/2.0 TDM	EX-SDI 1.0	EX-SDI 1.0/2.0 TDM	
		HDMI INPUT (~3G)	HDMI INPUT 1080p60	INPUT 1080p60	HDMI INPUT (UP to 4K 30p)	
		HDMI OUTPUT	-	OUTPUT 1080p60	OUTPUT (Full HD)	
		VGA INPUT	VGA INPUT	-	-	
		CVBS INPUT	INPUT	INPUT	INPUT	
		AHD Signal Input	AHD 8M	AHD 8M	AHD 8M	
		CVI Signal Input	CVI 8M	CVI 8M	CVI 8M	
		TVI Signal Input	TVI 8M	TVI 8M	TVI 8M	
External Storage Interface		MicroSD(128GB)	-	O	O	
		USB	-	A Type *1	A Type *2, MINI USB Type OTG *1	
Special	IP	IP Focus Meter	-	O	-	For camera focus adjustment
		Record and capture	-	O	O	Snapshot function included
	HD-SDI (~3G)	Signal Level Meter	O	O	O	For signal quality check
		Focus Meter	O	O	O	For camera focus adjustment
	EX-SDI (1.0/2.0)	Signal Level Meter	O (1.0/2.0)	O (1.0)	O (1.0/2.0)	For EX-SDI 2.0 signal quality check
		CRC Data Error Count 기능	XCRC : 000 YCRC : 000 TIME : 00 : 00 : 00	XCRC : 000 YCRC : 000 TIME : 00 : 00 : 00	XCRC : 000 YCRC : 000 TIME : 00 : 00 : 00	Check if HD/EX-SDI CRC data is lost
		Focus Meter	O (1.0/2.0)	O (1.0)	O (1.0/2.0)	For camera focus adjustment
	AHD, TVI, CVI, CVBS	Signal Level Meter	O	O	O	For signal quality check
		Focus Meter	O	O	O	For camera focus adjustment
	TDR C(U) / DC 12V Output		- / DC12V	- / DC12V	O / DC12V	TDR C(U) : Coaxial/UTP cable tester function
Audio IN		Audio Line Input/ Output (3.5Ø Earphone Jack) L,R Streo Input		-	-	Analog audio input/output possible (Earphone jack type)
Audio		SPEAKER				
UTC/UCC		RS-485	RS-485	RS-485	RS-485	
		AHD	UTC	UTC	UTC	Supports camera synchro control (PTZ or OSD control via coaxial cable)
		CVI	UTC	UTC	UTC	
		TVI	UTC	UTC	UTC	
		EX-SDI	O	-	O	
		CVBS	O	O	O	
Accessories		DC wire, RG-179 cable, Bag (with belt), Charger, etc.				
Image		FRONT VIEW				

SPECIAL ITEM

SC-MFM07HD

Multi Format Test Monitor

SC-MFM07HD is a Multi-functional AHD/TVI/CVI/CVBS/HD-SDI/EX-SDI/HDMI/VGA portable test monitor. And this device can be used with various purposes such as adjusting camera angle and focusing, supplying power to camera, controlling PTZ for the speed dome camera and also, checking Video output, DVR or NVR menu for setting. Also it has CRC Error count function, so user can check data loss.

Features

- 7" high resolution TFT-LCD HD Panel (LED Back Light)
- Supporting various input signals
  1) HD-SDI Input (Full HD)
  2) EX-SDI 1.0/2.0, TDM-SDI Input
  3) HDMI Input (~1080P 60Hz)
  4) VGA Input (~1600 X 1200/60Hz) UXGA
  5) CVBS Input
  6) Analog HD Input (AHD, TVI, CVI)
- Built-in Signal Level Meter, CRC Data Error Count function (HD-SDI, EX-SDI)
- Analog HD (UTC), CVBS Up the Coaxial Communication
- PTZ and OSD control (RS-485) / RS-485 Analyzer function
- Audio line Input, Output (3.5Ø Earphone Jack)
- Supplying power to the camera (Max. DC12V / 500mA Output)
- Guideline indicator to adjust camera viewing angles
- High capacity Li-polymer battery lasting up to 6~8 hours
- Light weight tempered glass

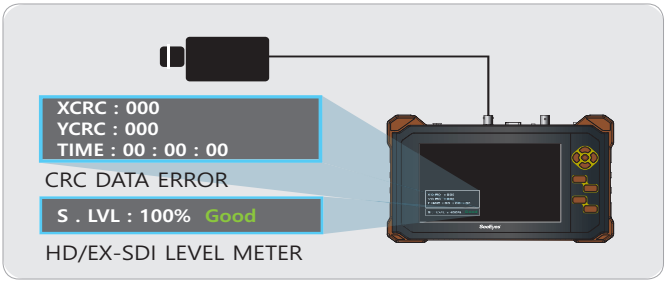
EX-SDI AHD 4M TVI 5M CVI 4M

[SC-MFM07HD]

■ Adjusting the camera angle at the elevator

■ Adjusting the camera angle at the Parking lot

CRC Error Count / HD,EX-SDI Level Meter



Components

[Carry-on bag]

[DC Jack for Power supply]

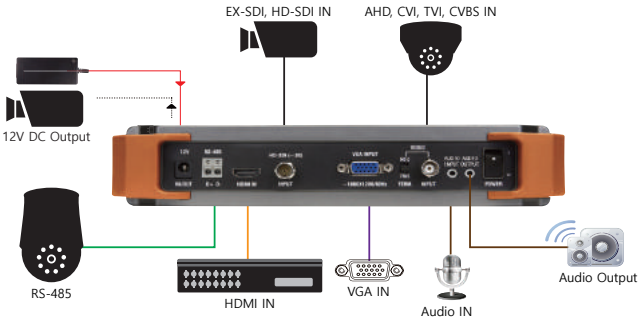
[Exclusive Adapter]

[RG-179 M to M]

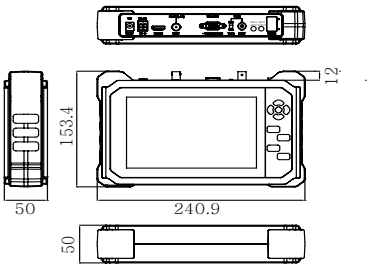
Specifications

MODEL			SC-MFM07HD (Premium)
LCD	Display Resolution		1280(H) X (R,G,B) X 800(V)
	Size		7 inch
	Pixel Pitch		0.117mm(H) X 0.177mm(V)
	Brightness (Cd)		400 Cd/㎡
	Viewing Angle		89°(H) / 89°(V)
	Response Time		11ms
Video	Input	HDMI	~1080p 60
		HD-SDI	1.485Gbps~2.970Gbps (VP Option)
		HD Analog	AHD (UP to 4MP), TVI (UP to 5MP), CVI (UP to 4MP), CVBS NTSC/PAL 1.0Vp_p
		UXGA	~ 1600x1200, 60Hz
Audio	Input/Output		3.5Ø Earphone Jack
Measurement	HD-SDI / EX-SDI		Level Meter / Focus Meter
			CCRC, YCRC / XCRC
Power	Input		DC 12.6V (Exclusive Adapter)
	Output		⎓ DC 12V
Battery (Surge protection circuit built-in)			Li-Polymer: 11.1V, 5680mAh
Temperature / Humidity			0℃ ~ +50℃ / 0% ~ 80%
Case Body			PCABS
Dimensions (mm)			241(W) X 153(H) X 50(D)

Application Diagram



Dimensions



SC-IPM07PRO

Professional IP Multi-format Test Monitor

SC-IPM07PRO is a professional test monitor. It can be used for indoor and outdoor CCTV installation / maintenance. It can also monitor all types of CCTV cameras through HD LCD screens. It offers UTC&UCC functions for SDI&HD-analog cameras. It comes with a LAN PORT for the IP camera connection and an SFP PORT for switches and routers. It supports DC12V output and PoC&PoE for the camera. A touch panel is used for intuitive operation. Various Application Diagrams are supported through the Android operating system. This professional CCTV test monitor is designed with toughened glass and PCABS hard cases for a long service life.

Features

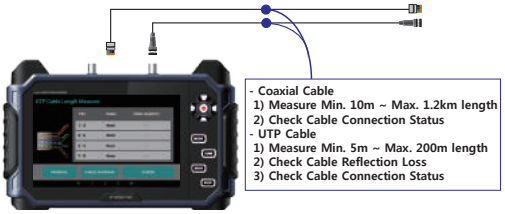
- IPS 7inch WUXGA TFT-LCD Panel applied(LED Back Light)
  7inch WUXGA Wide touch screen applied
  Optical bonding applied for outdoor environment
  Anti-finger coating applied for touch screen
- Power supply to PoE(IP Camera Mode), PoC(SDI Mode - option) and cameras below DC12V / 1A (exclusive harness provided)
- Various input and functions
  1. IP camera viewer, address scan, address setting, ping test
     (Protocol : ONVIF, RTSP, MJPEG, Custom Protocol)
  2. HD/3G-SDI, EX-SDI 1.0/2.0/TDM viewer, recording, snapshot
  3. HDMI input viewer, recording, snapshot
  4. TVI/CVI/AHD/CVBS viewer, recording, snapshot (~8M)
- RS-485 communication, UTC (Analog & HD)/UCC (EX/HD-SDI) communication
- UTP, Coaxial cable tester – distance, cable map, open/short status
  - Network cable tester / PoE voltage check / Network TDR
    / Network packet analyzer / Coaxial TDR
- EX-SDI 1.0/2.0/TDM, HD/3G-SDI Signal Level Meter, Focus Meter, CRC Checker
- TVI/CVI/AHD/CVBS Input Video Level Meter & Focus Meter
- User-optimized ergonomic design
- WIFI wireless network
- Application Diagram update available by network
- Various Application Diagrams based on Android OS
- Large built-in battery with 8 hours of continuous use

IP EX-SDI AHD 8M TVI 8M CVI 8M

Touch Screen

[SC-IPM07PRO]

UTP/Coaxial Cable Test Function



Components


[Carry-on bag]


[SC-TG01]


[SC-TG02]


[BNC JJ]


[WIFI Dongle]


[DC Power Jack]

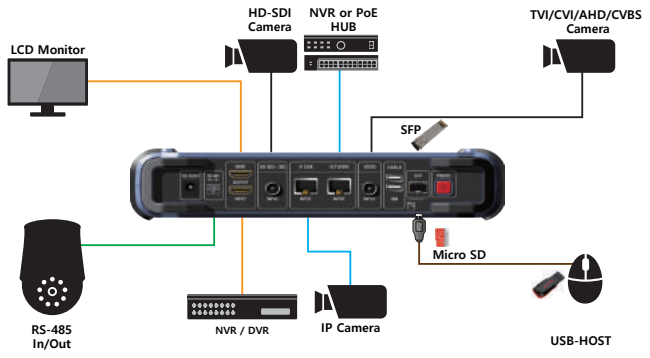

[RG-179 M to M]


[Exclusive Charger]

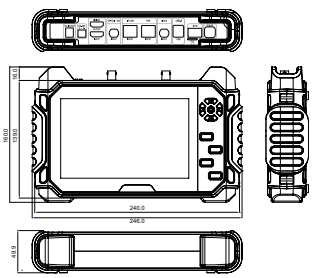
Specifications

MODEL			SC-IPM07PRO
LCD	Display Resolution		1920(H) x (R,G,B) x 1200(V)
	Size		7 inch
	Pixel Pitch		0.07875(W) x 0.07875(H)(mm)
	Brightness(Cd)		450 cd/㎡
	View Angle		80°(H) / 80° (V) / 80° (U) / 80° (D)
Video	Input	HDMI	Up to 4K 30p
		SDI	HD/3G-SDI, EX-SDI 1.0/2.0/TDM
		HD Analog	Up to 8M (TVI/CVI/AHD)
		CVBS	NTSC, PAL
	Output	HDMI	UP to 1080p60
Network	Input	LAN	10/100/1000Mbps – IP Camera & PoE
		SFP	10/100/1000Mbps
	Output	LAN	10/100/1000Mbps
Tester	Network TDR		Network Cable Tester, Network Packet Analyzer, Network TDR
	Coaxial TDR		Coaxial Cable TDR
	SDI		S.Level Meter/Focus Meter, CRC Error Counter
	HD Analog		A,F Level Meter/Focus Meter
Power	INPUT		DC 12V 1.9A (Exclusive Charger)
	OUTPUT		DC 12V Max. 1A
Battery			11.1V 5680mA x 1
Temperature / Humidity			0℃ ~50℃, 80%
Case Body / Weight			PCABS / 1kg
Dimension (mm)			246(W) x 160(H) x 49.9(D)

Application Diagram



Dimensions



SPECIAL ITEM

SC-ECS30CW/NW

Emergency Bell with Built-in
Interactive Voice Communication

SC-ECS30CW/NW is an emergency bell with interactive voice communication. This product not only supports emergency call in urgent situation, but also monitors on-site video by built-in Full-HD high definition camera. Also, this product provides clear bi-directional voice call quality with built-in microphone with echo-canceler and high performance speaker.

Features

- Built-in high sensitivity microphone and 3W speaker for real-time call with monitoring room
- Built-in echo-canceler : Clear sound without echo and howling
- Built-in maximum 2 megapixel (1920x1080) high-definition camera
  - Video surveillance function for frontal monitoring in parking lots
- Red LED button for easy recognizing the emergency bell
- PoE function : Convenient power supply from PoE HUB / Injector
- Built-in light bar : Blinking when emergency situation occurs
- Built-in IR LED for night-time monitoring

SC-ECS30 Series Guide

Model No.	Specification
SC-ECS30CW	Camera, Wall mount
SC-ECS30NW	No Camera, Wall mount
SC-ECS30CF	Camera, Flush mount
SC-ECS30NF	No Camera, Flush mount

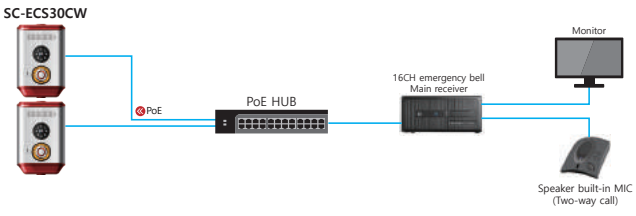
Specifications

MODEL				SC-ECS30CW	SC-ECS30NW
Image sensor	CMOS Type			1/2.8" 2M Pixels Progressive Sensor	
	Scanning System			1080/30p	
Lens	Focal-Length			2.8mm	
	FOV			H:92.6°, V:69°, D:118°	
Camera	White Balance			Auto, Manual	
	Sharpness			0 ~ 255	
	Brightness			0 ~ 255	
	AGC			0 ~ 10	
	Sens-UP			2X, 4X, 8X, 15X, 30X	
	Shutter	Manual	NTSC	1/30, 1/60, 1/120, 1/180, 1/240, 1/300, 1/400, 1/500, 1/1000, 1/2000, 1/4000, 1/6000, 1/8000, 1/16000, 1/32000	
			PAL	1/25, 1/50, 1/100, 1/150, 1/200, 1/250, 1/400, 1/500, 1/1000, 1/2000, 1/4000, 1/6000, 1/8000, 1/16000, 1/32000	
	Mirror			ON/OFF	
	Day & Night			Auto / Day / Night	
	Defog			ON/OFF	
Audio	Audio			Echo canceller	
	MIC			MIC	
	Volume adjustment			0~10	
	Speaker			3W, 8Ω	
	Volume adjustment			0~10	
Network	Ethernet			IPv4, RJ-45 (10/100BASE-T)	
	1st Stream	Codec / Resolution		H.264 / 1920x1080	H.264 / 320x240
	2nd Stream	Codec / Resolution		H.264 / 720x480	H.264 / 320x240
	3rd Stream	Codec / Resolution		MJPEG / 352x240	MJPEG / 320x240
	Bit rate control			CBR, VBR, AVBR	
	Protocol			TCP/IP, UDP/IP, RTP(UDP), RTP(TCP),RTSP, SNMP, SMTP, UPNP, HTTP, HTTPS, NTP, DHCP, Onvif	
Call switch	Switch			25mm, Normal Open	
	LED			RED	
Max. Concurrent Users				3Users	
Alarm Output				Relay Point Output (24V DC / 1A, 125V AC / 0.5A)	
Power / Power consumption				PoE(Midspan, Endspan) / Max. 5W	PoE(Midspan, Endspan) / Max. 1.6W
Temperature / Humidity				-20°C ~ +50°C / 0 ~ 80%	
Case body / Weight				PC, Aluminum, Steel / 570g	PC, Aluminum, Steel / 540g
Dimensions(mm)				112(W) x 170(H) x 54(D)	

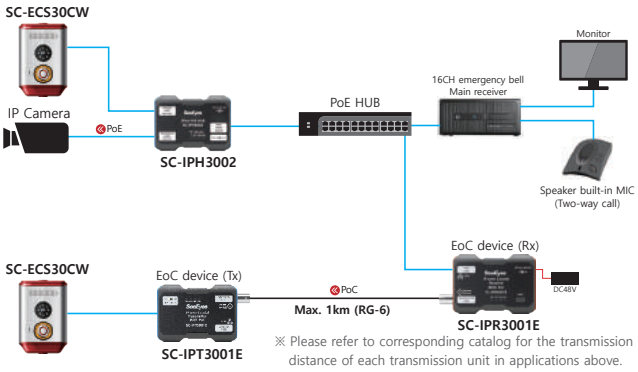
NEW

[SC-ECS30CW - Built-in Camera Type] [SC-ECS30NW - Non-Camera Type]

Application Diagram



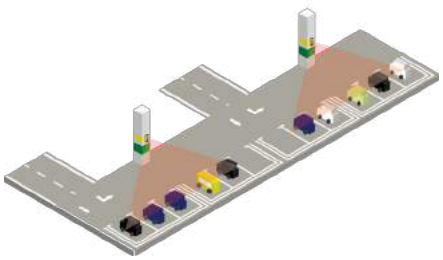
■ Applications (Various field applications with using transmission devices)
- When additionally install on UTP cable - use PoE 2 IN 1 Extender



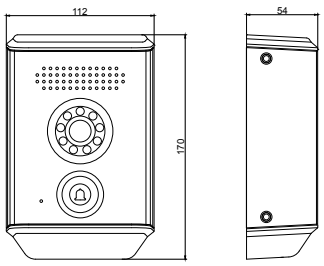
※ Please refer to corresponding catalog for the transmission distance of each transmission unit in applications above.

Additional Function

■ Monitoring & Recording by camera (available if using exclusive NVR)



Dimensions



SC-ECS30CWP/NWP

Emergency Bell with Built-in
Interactive Voice Communication

SC-ECS30CWP/NWP is an emergency bell with built-in two-way voice call function, In case of an emergency situation, this product supports emergency call. It is able to monitor on-site video with camera built-in type. Also, this product provides clear bi-directional voice call quality with built-in echo canceler. With PBT + PC case, it is suitable for outdoor installation.

Features

- Built-in high sensitivity microphone and 3W speaker for real-time call with monitoring room
- Built-in echo-canceler : Clear sound without echo and howling
- Built-in maximum 2 megapixel (1920x1080) high-definition camera
  - Video surveillance function for frontal monitoring in parking lots
- Red LED button for easy recognizing the emergency bell
- PoE function : Convenient power supply from PoE HUB / Injector
- PBT + PC case for outdoor installation – IP65 grade

SC-ESB01 - Sun Shield Bracket (Option)


[SC-ESB01(Y) -Yellow]


[SC-ESB01(R) -Red]


[Mounted Image]

IP65

NEW

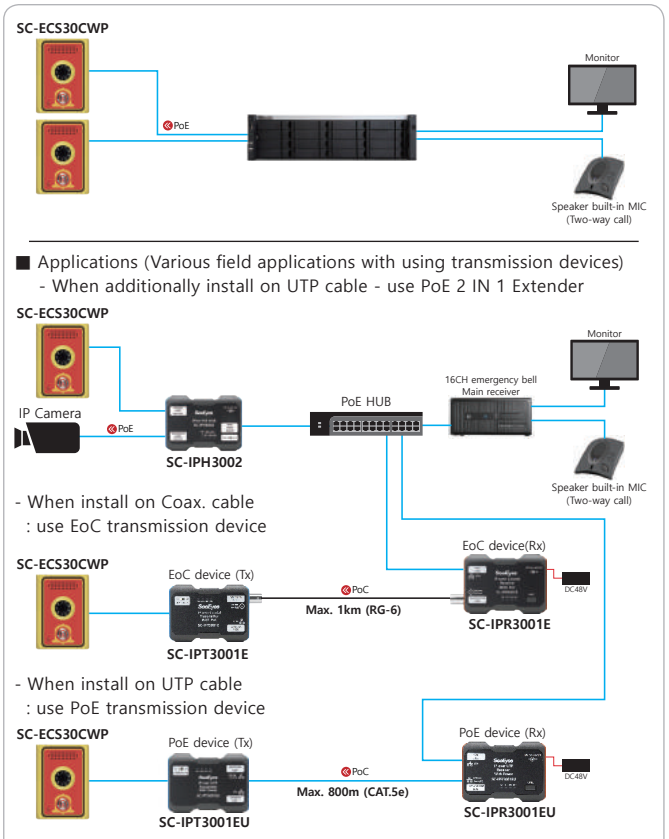
[SC-ECS30CWP - Built-in Camera Type]

[SC-ECS30NWP - Non-Camera Type]

Specifications

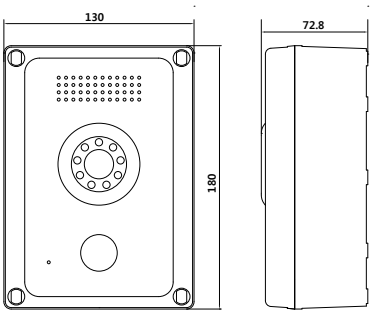
MODEL				SC-ECS30CWP	SC-ECS30NWP
Image sensor	CMOS Type			1/2.8" 2M Pixels Progressive Sensor	
	Scanning System			1080/30p	
Lens	Focal-Length			2.8mm	
	FOV			H:92.6°, V:69°, D:118°	
Camera	White Balance			Auto, Manual	
	Sharpness			0 ~ 255	
	Brightness			0 ~ 255	
	AGC			0 ~ 10	
	Sens-UP			2X, 4X, 8X, 15X, 30X	
	Shutter	Manual	NTSC	1/30, 1/60, 1/120, 1/180, 1/240, 1/300, 1/400, 1/500, 1/1000, 1/2000, 1/4000, 1/6000, 1/8000, 1/16000, 1/32000	
			PAL	1/25, 1/50, 1/100, 1/150, 1/200, 1/250, 1/400, 1/500, 1/1000, 1/2000, 1/4000, 1/6000, 1/8000, 1/16000, 1/32000	
	Mirror			ON/OFF	
	Day & Night			Auto / Day / Night	
	Defog			ON/OFF	
Audio	Audio			Echo canceller	
	MIC			MIC	
	Volume adjustment			0~10	
	Speaker			3W, 8Ω	
	Volume adjustment			0~10	
Network	Ethernet			IPv4, RJ-45 (10/100BASE-T)	
	1st Stream	Codec / Resolution		H.264 / 1920x1080	H.264 / 320x240
	2nd Stream	Codec / Resolution		H.264 / 720x480	H.264 / 320x240
	3rd Stream	Codec / Resolution		MJPEG / 352x240	MJPEG / 320x240
	Bit rate control			CBR, VBR, AVBR	
	Protocol			TCP/IP, UDP/IP, RTP(UDP), RTP(TCP),RTSP, SNMP, SMTP, UPNP, HTTP, HTTPS, NTP, DHCP, Onvif	
Call switch	Switch			25mm, Normal Open	
	LED			RED	
Max. Concurrent Users				3Users	
Alarm Output				Relay Point Output (24V DC / 1A, 125V AC / 0.5A)	
Power / Power consumption				PoE(Midspan, Endspan) / Max.5W	PoE(Midspan, Endspan) / Max.1.6W
Temperature / Humidity				-20°C ~ +50°C / 0 ~ 80%	
Case body / Weight				PC, Aluminum, Steel / 512g	PC, Aluminum, Steel / 490g
Dimensions(mm)				130(W) x 180(H) x 72.8(D)	

Application Diagram



※ Please refer to corresponding catalog for the transmission distance of each transmission unit in applications above.

Dimensions



SPECIAL ITEM

SC-DCS01C/DCS01N

Emergency door access control intercom

SC-DCS01C/N is a network-base intercom device and an emergency door access control device that is equipped with a Full-HD high-resolution camera (SC-DCS01C) in order to monitor the site in real time. In addition, it is equipped with a microphone with echo canceler and a high-performing speaker to provide clear two-way communication quality.`

Features

- 2 megapixel (1920*1080) camera mounted on emergency door access control device (SC-DCS01C)
- Built-in IR LED for night monitoring (SC-DCS01C)
- Easy to supply power using PoE HUB/Injector
- Two-way high-quality real-time call function
- Built-in echo-canceler: Provides clear sound without echo and howling
- Ethernet: IPv4, RJ-45 (10/100BASE-T)
- Access control using short-range wireless NFC communication
- LCD status indicator - Door open/close, etc.
- Robust mechanical metal keypad - Built-in LED keypad fo easy night operation
- Interconnection with fire department

NEW

[SC-DCS01C - With FHD Camera]

NEW

[SC-DCS01N - Non camera]

Recommended sister products

[SC-MCS01]

[Device Manager]

[EM-Lock]

[EM-lock Switch]

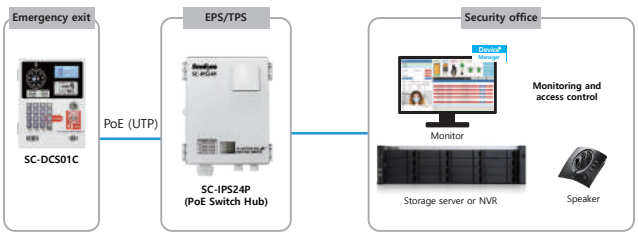
Specifications

MODEL				SC-DCS01C	SC-DCS01N
Image sensor	CMOS Type			1/2.8" 2M Pixels Progressive Sensor	-
	Scanning System			1080/30p	
Lens	Focal-Length			2.8mm	
	FOV			H : 106.02°, V : 56.55°, D : 126.19°	
Camera	White Balance			Auto, Manual	
	Sharpness	Value		0 ~ 10	
		Level		Off/Low/Middle/High	
	Brightness			0 ~ 255	
	AGC			0 ~ 10	
	Sens-UP			2X, 4X, 8X, 15X, 30X	
	Shutter	Manual	NTSC	1/30 ~ 1/32000	
			PAL	1/25 ~ 1/32000	
	Mirror / Defog			ON/OFF	
	Day & Night			Auto / Day / Night	
Audio	Audio			Echo Cancellation	
	Microphone / Volume			Analog / 0~10	
	Speaker / Volume			2W, 8Ω / 0~10	
Network	Ethernet			IPv4, RJ-45 (10/100BASE-T)	
	1st Stream	Codec / Resolution		H.264 / 1920x1080	
	2nd Stream	Codec / Resolution		H.264 / 720x480	
	3rd Stream	Codec / Resolution		MJPEG / 352x240	
	Bitrate format			CBR, VBR, AVBR	
	Protocol			TCP/IP, UDP/IP, RTP(UDP), RTP(TCP),RTSP, SNMP, SMTP, UPNP, HTTP, HTTPS, NTP, DHCP, Onvif	
Max. connections number				3	
Battery				DC12V 1,300mAh	
Power				PoE(Midspan, Endspan)	
Temperature / Humidity				-20°C ~ +50°C / 0 ~ 80%	
Case body / Weight				Steel / 2.3kg	
Dimensions(mm)				190(W) x 240(H) x 70(D)	

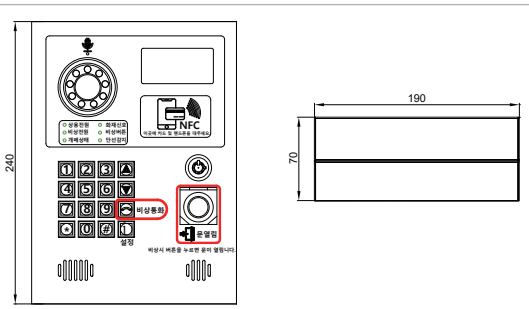
SC-DCS01C/N Functions

- **High-definition camera(SC-DCS01C)** Equipped with 2M camera, monitoring and recording of people entering and leavingare possible
- **LCD Status indicator** Display the current status of the emergency door
- **short-range wireless communication** Mobile and smart card access control
- **PoE function support** Network integration configurable
- **Two-way voice call function** (Built-in Echo canceler)
- **Mechanical button** Sturdy metal key (Built-in LED keypad)

Application Diagram



Dimensions



SC-MCS01

Touch screen network phone

SC-MCS01 is a network-based emergency phone that offers two-way voice and video calls combined with its network emergency bell (SC-ECS30CW/CWP) and emergency door access control device (SC-DCS01C). Additional features include NFC tag function, patrol history management, and remote access control function.

Features

- 10.1 inch wide angle LCD panel
  - TFT-LCD tempered glass / Capacitive touch screen
- Two-way video and voice calls are possible with emergency bells and emergency door access control
  - Video + Audio : SC-ECS30CW, SC-ECS30CWP, SC-DCS01C
  - Voice: SC-ECS30NW, SC-ECS30NWP, SC-DCS01N
- Add SC-MCS01 to automatically switch calls when absent
- Two-way voice calls between SC-MCS01
- Emergency bell, access control device registration and connection status management
- Storing and managing call history
- Installation location management via E-MAP
- Storing and managing patrol history through interlocking with NFC tag
- Angle adjustment (Default: 10 degrees / 45 degrees when using the cradle)
- External speaker microphone for hands-free use and handset

NEW

[SC-MCS01]

SC-MCS01 functions (GUI)

[Emergency bell / door access control]

[E-MAP]

[Call / absence history management]

[Patrol record -interlocking with NFC]

Recommended sister products

[SC-ECS30CW/NW]

[SC-ECS30CF/NF]

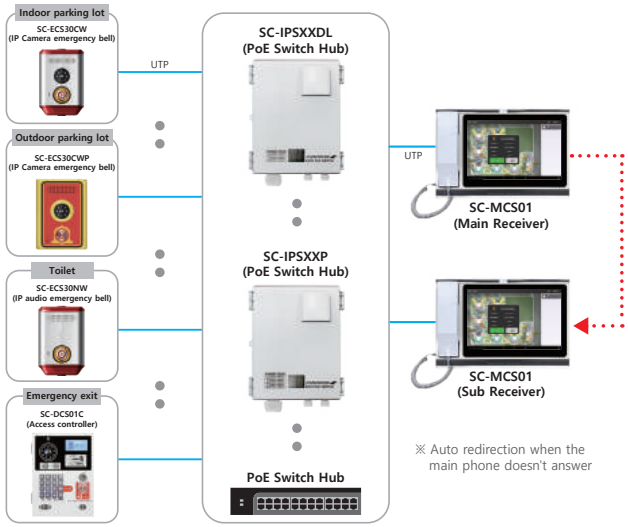
[SC-ECS30CWP/NWP]

[SC-DCS01C/N]

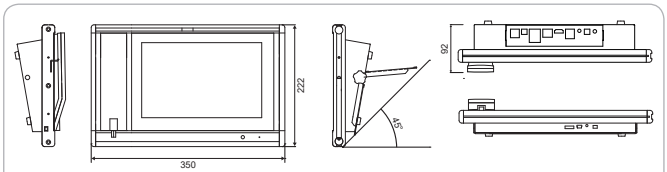
Specifications

MODEL		SC-MCS01
LCD PANEL	Screen Size	10.1" (WXGA 16:10 Color TFT-LCD With LED Backlight)
	Luminance	440 Cd/㎡
	Angle	170°(H), 170°(V)
Touch Screen	Screen Size	10.1"
	Type	Capacitive touch screen
Network	Transmission speed	10/100/1000 Mbps
	interface	Standard RJ-45 interface
Alarm	Input	2Port
	Output	2Port
Audio	Int. Speaker	8Ω. 1.5W
	Ext. Speaker Amp	5W
	Call mode	Handset or speaker phone
	Microphone	Digital
	Ext.AUDIO Input	1 Port
HDMI Output		1 Port
LED		2 Color LED (Red, Green)
Light sensor		ALS sensor
RS-485		1 Port
USB 2.0		2 Port
Micro SD		1 Port
Temperature / Humidity		0℃ ~ +50℃ / 0 ~ 80%
Case body / Weight		Aluminum, Steel / 2.8kg
Dimensions(mm)		350(W) x 222(H) x 92(D)

Application Diagram



Dimensions



SPECIAL ITEM

SC-CSP01P
SC-USP01P

Surge Protector for CCTV use

This device is a surge protector and it's available for easy, convenient installation which is optimized for CCTV installation site. There are two types of surge protectors, one is for Coax. cable type (SC-CSP01P) and another one is for UTP cable type (SC-USP01P).

Features

- Protection from surge
- Built-in safety shut-off function in case of surge protector failure
- Supporting various CCTV video formats
  (IP, EX SDI, AHD, TVI, CVI, CVBS)
- Compact size for easy installation in narrow spaces
- Line protection of BNC coaxial line (SC-CSP01P)
- Line protection of UTP line (SC-USP01P)

NEW [SC-CSP01P]

NEW [SC-USP01P]

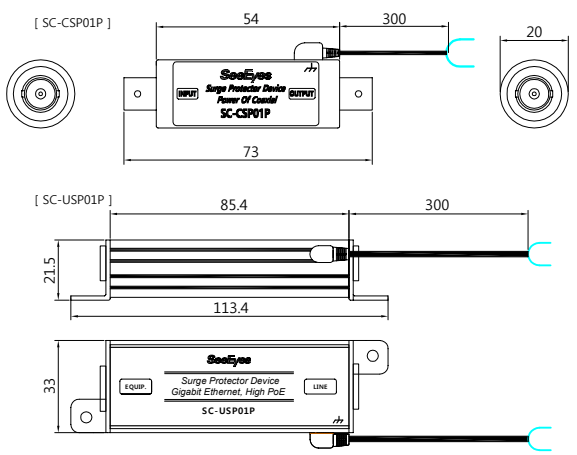
Specifications

MODEL	SC-CSP01P	SC-USP01P
Connection Type	BNC Type	RJ45 Jack (4 Pairs)
Max. Data transfer rate	< 1.5GHz	< 1000 Mbps
Pin outs	-	(1-2, 3-6, Data+Power), (4-5, 7-8, Power)
Rated voltage (Nominal line voltage Un)	48 Vdc	48 Vdc
Max. DC voltage (Max. DC operating voltage Uc)	60 Vdc	60 Vdc
Max. Load current	750 mA	1000mA
Rated discharge current (In) 8/20μs impulse - 10 times	20kA	10kA
Max. discharge current (Imax) 8/20μs impulse - 1 time	25kA	150kA
Protection level UP	20 V	70 V
Temperature	-40 ~ +85°C	-40 ~ +85°C
Humidity	< 90%	< 90%
Protection grade	IP20	IP20
Case body / Weight	Aluminium / less than 100g	Aluminium / less than 100g
Dimensions(mm)	Cylindrical 74 (L) x Φ20	Rectangle 113(L) x 33(W) x 21.5(H)

Supporting Signal

Analog	Digital
CVBS, AHD, TVI, CVI	IP, EX-SDI

Dimensions



Application Diagram

■ Video / Data transmission range – Analog / Digital both use

- Coax. cable

HD Analog
One Cable Camera

- UTP cable

IP Camera

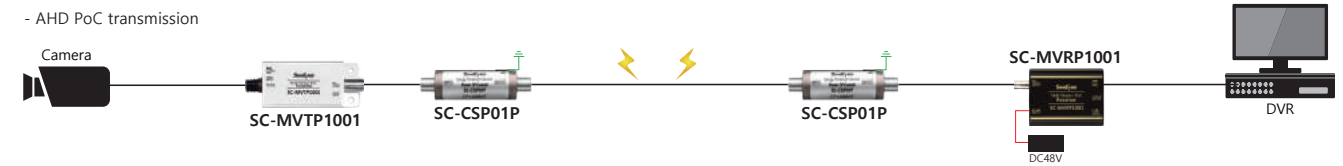
■ Transmission range – Analog / Digital both use

- IP transmission (EoC)

IP Camera

- AHD PoC transmission

Camera



SC-MCM01

Portable Cable Tester
(Coax. / UTP)

SC-MCM01 is a tester for checking various types of coaxial and UTP cables which provides easy inspection during installation / construction / maintenance in video and network sites. It is able to check the cable distance and status such as open, short and pin map. This product operates in high performance for a long time with its built-in rechargeable battery.

Features

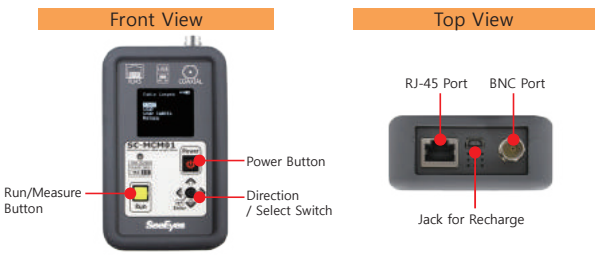
- Coax. / UTP cable tester
  - Cable length and Mapping, Open, Short status check
- Measuring Coax. cable up to 1.8km, UTP cable up to 200m
  - Measure UTP cable up to 600m with TG02 (1p)
- Cable loop resistance measurement function
- Calibration function : add the measurements of your own cable data
  - Max. storable cable data : Coax. 8, UTP 8
- 1.5 Inch high definition OLED Display
- Built-in rechargeable battery for up to 3 hours in continuous use
- Built-in basic cable data
  - Various Cable Data Built-in (Coax. : 8 types, UTP : 4 types)

Built-in Coax./UTP Cable Data

▶ Coax. Cable

▶ UTP Cable

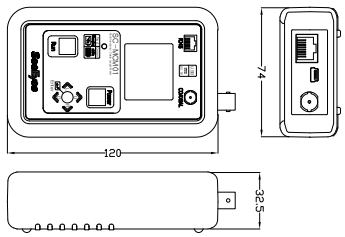
SC-MCM01 Interface



Specifications

MODEL	SC-MCM01
Display	1.5 inch OLED
Cable Test Type	BNC Coaxial / RJ45 UTP (T568A, 568B)
Maximum Length - Coax. Cable	10m ~ 1.8km (RG-6)
Maximum Length – UTP Cable	5m ~ 200m (UTP) / 150m (STP)
Minimum Calibration Length	Over 100m recommended
Error Rate (BNC, RJ45)	±5% (After Calibration)
Compatible Connector Type	BNC, RJ45
Coaxial Cable Loop Resistance	300Ω (Max)
Cable Map Display	OLED (#1-#8)
Battery Type	3.7V Rechargeable lithium battery 900mAh
Temperature / Humidity	-10℃ ~ +50℃ / 0 ~ 80%
Recharge Port	USB 2.0 MINI-B Type, Over DC 5V 600mA(USB charger)
Full Charge Time / Continuous Use Time	2H 30M / RJ45(3H), BNC(6H)
Case Body / Weight	ABS UL94V-0 / 210g
Dimension(mm)	74(W) X 33(H) X 120(D)

Dimensions



[SC-MCM01]

[Top]

[Front]

[Accessories]

[SC-TG01]

[SC-TG02]

[BNC JJ]

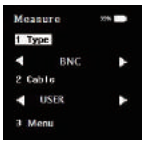
[Carry-on Bag]

[USB MINI 5 PIN charging cable]

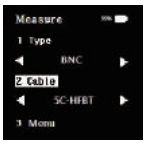
※ After first offer, accessories are able to purchase separately

Display

▶ cable select



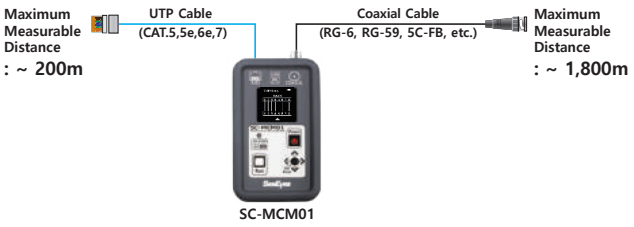
▶ measure



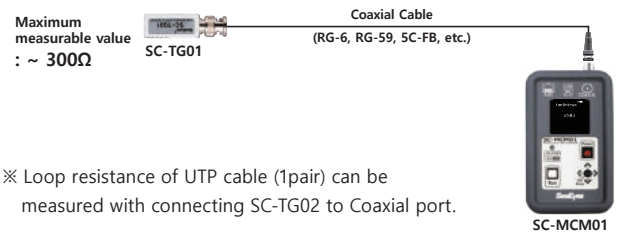
▶ result

Application Diagram

■ In Case of UTP / Coaxial Cable
– Length, cable map, open/short status check

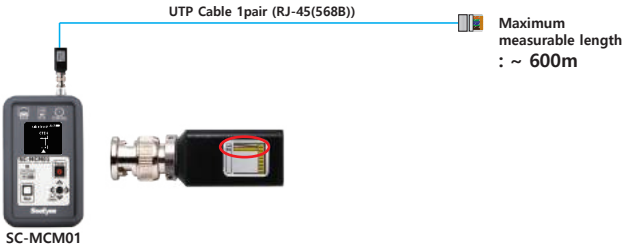


■ Cable Loop Resistance Measurement
– Accessory(SC-TG01) Connected



※ Loop resistance of UTP cable (1pair) can be measured with connecting SC-TG02 to Coaxial port.

■ UTP (1P) Cable Long-Distance Measurement
– Accessory(SC-TG02) Connected



SPECIAL ITEM

SC-DPS1310

DC Power Supply for CCTV Use

SC-DPS1310 is a 10 PORT CCTV power supply unit that can supply DC power to DC12V camera and AC power to DVR and monitor. Supplying stable power by sequential power supply method when camera power is supplied, and based on line diagnostic function built-in, only the corresponding port can be cut off the power when a line abnormality (short, overcurrent) occurs.

Features

- Supplying power to 10 units of camera (DC12V) and recorder, monitor (100~240V)
- Available 13V/0.5A power output per each port
- Stable power supply by sequential power supply method
- With built-in the line diagnostic function, only the corresponding port can be cut off the power when a line abnormality (short, overcurrent) occurs.
  Ex) When port #2 occurs overcurrent, only port #2 is cut off the power and all other channels can be worked in normal
- LED indicator per each port

NEW

[SC-DPS1310]

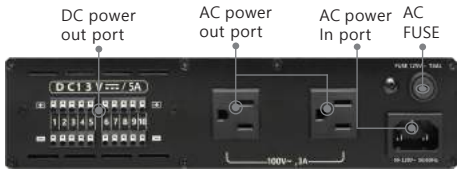
[Front]

[Rear]

SC-DPS1310 Series Comparison

Contents	SC-DPS1310			
	E1	E2	P1	P2
DC output (Max.) / port	0.75A		1.4A	
Indication for over currency	-		Flashing Power LED	
Sequential power supply	-		O	
AC power In/Output	90~120V	200~260V	90~120V	200~260V

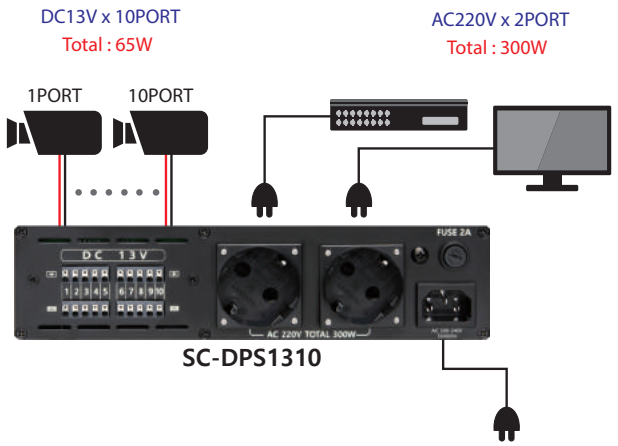
SC-DPS1310 In/Out Port



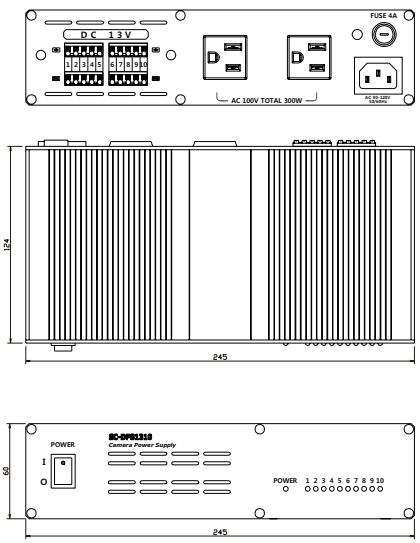
Specifications

MODEL		SC-DPS1310E2	SC-DPS1310P2
Input	Rated input voltage	AC 176~264V	
	Frequency	50/60Hz	
Output	Rated output voltage	DC13V	
	Output current	0.5A	
	Max. output current	0.75A	1.4A (2~9 CH) 2.5A (1 & 10 CH)
Protection Function	OCP(SMPS)	over than 5.5A	
	port	0.75~1.5A	over than 1.4A
	port LED Indication	ON & OFF	ON & OFF & Blink
	Power LED Indication	ON & OFF	ON & OFF & Blink
	Fuse	2A	
Temperature / Humidity	Operation Temperature	-10℃ ~ 50℃	
	Operation Humidity	20% ~ 90% (No condensation)	
Case / Weight		Aluminum / 1.2Kg	
Dimensions (mm)		245(W) ×60(H) x 124(D) mm	

Application Diagram

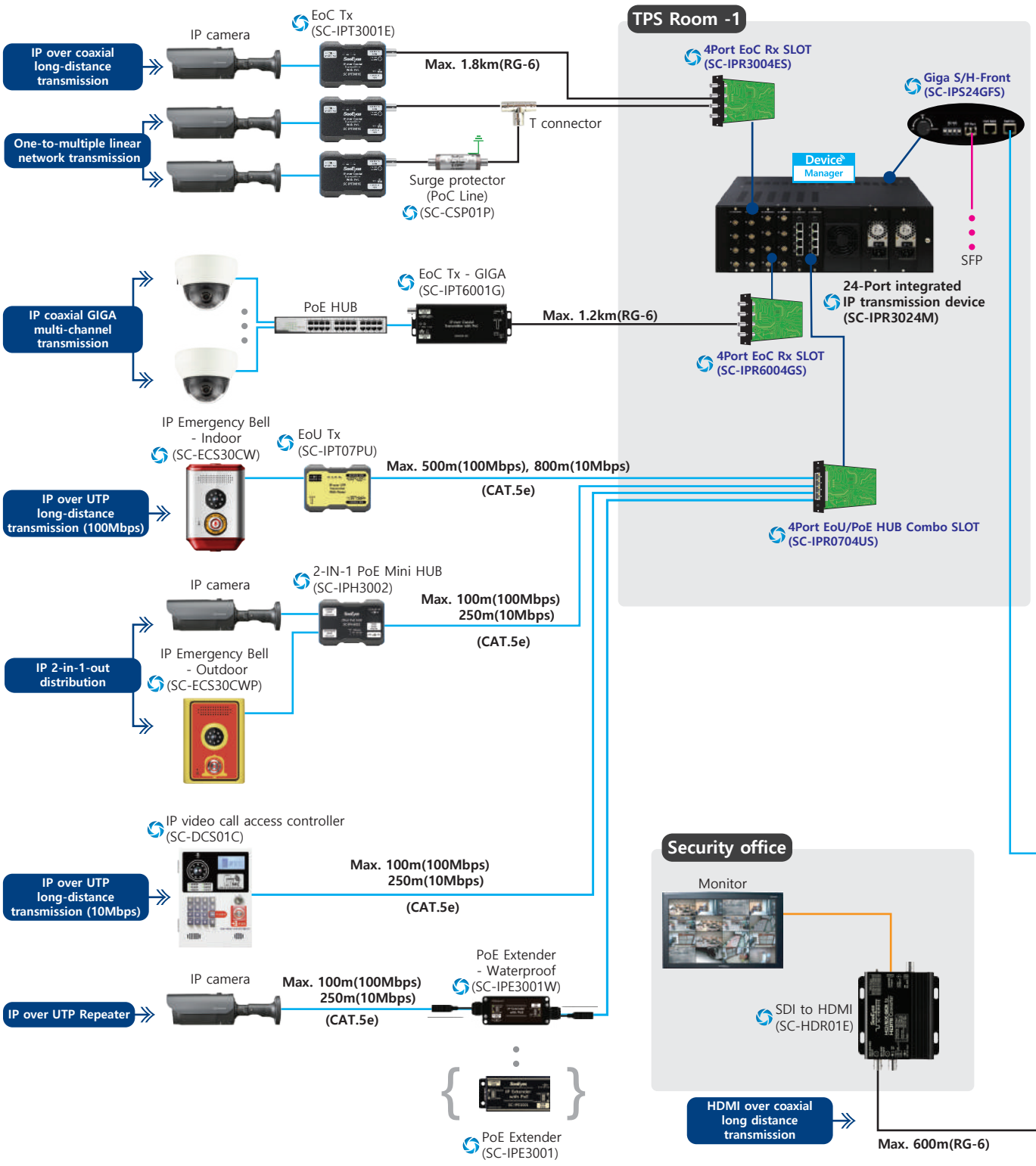


Dimensions



CCTV CONFIGURATION

Network CCTV System Total Solution



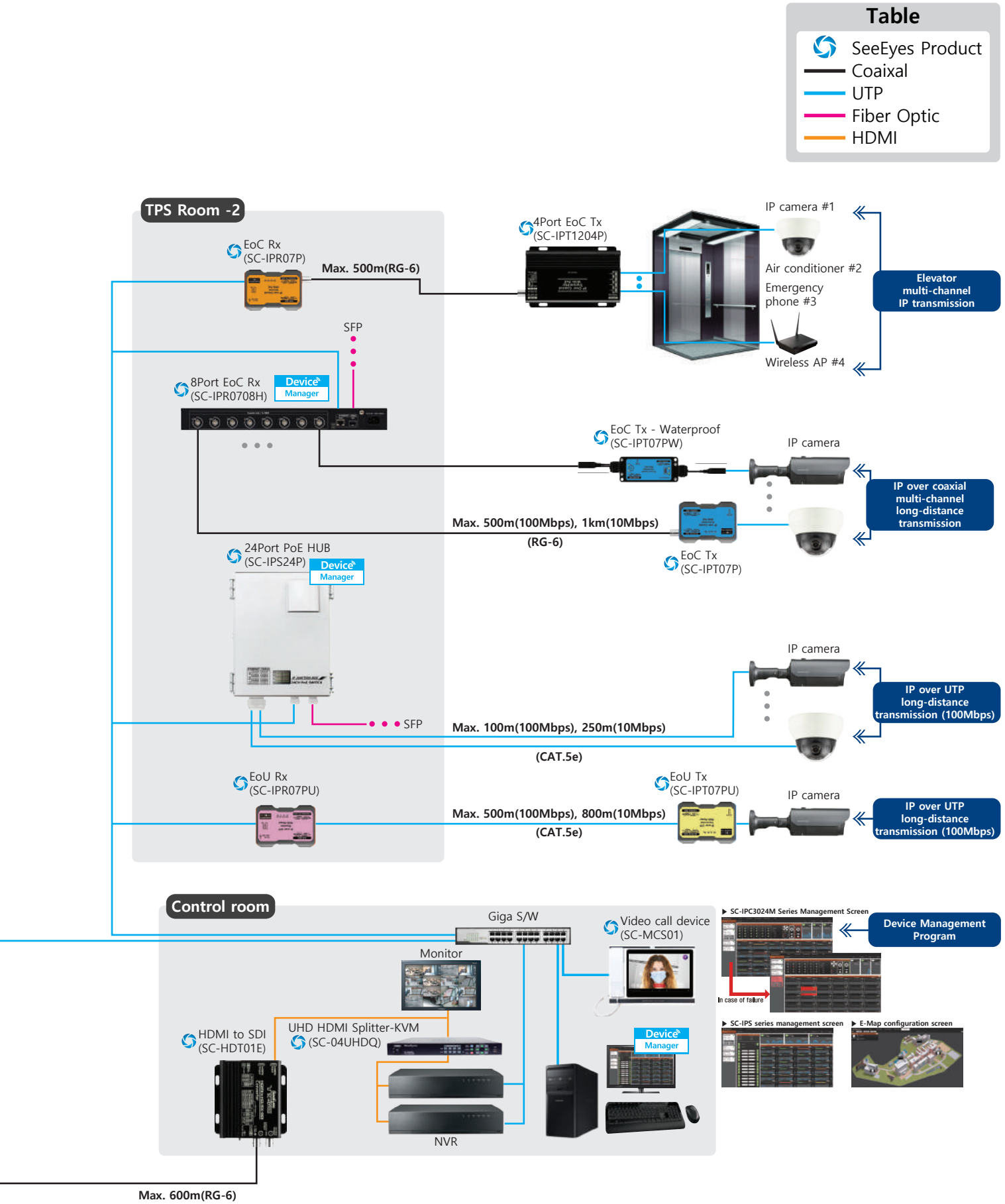
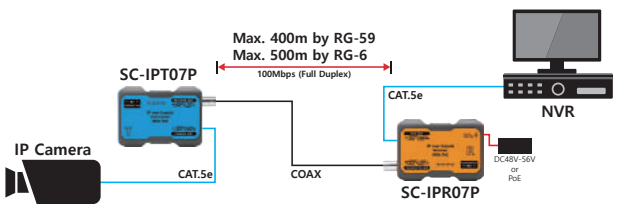


Table
SeeEyes Product
Coaixal
UTP
Fiber Optic
HDMI
TPS Room -2
EoC Rx
(SC-IPR07P)
Max. 500m(RG-6)
4Port EoC Tx
(SC-IPT1204P)
IP camera #1
Air conditioner #2
Emergency
phone #3
Wireless AP #4
Elevator
multi-channel
IP transmission
SFP
8Port EoC Rx
(SC-IPR0708H)
Device Manager
EoC Tx - Waterproof
(SC-IPT07PW)
IP camera
IP over coaxial
multi-channel
long-distance
transmission
Max. 500m(100Mbps), 1km(10Mbps)
(RG-6)
EoC Tx
(SC-IPT07P)
24Port PoE HUB
(SC-IPS24P)
Device Manager
IP camera
IP over UTP
long-distance
transmission (100Mbps)
SFP
Max. 100m(100Mbps), 250m(10Mbps)
(CAT.5e)
EoU Rx
(SC-IPR07PU)
EoU Tx
(SC-IPT07PU)
IP camera
IP over UTP
long-distance
transmission (100Mbps)
Max. 500m(100Mbps), 800m(10Mbps)
(CAT.5e)
Control room
Giga S/W
Video call device
(SC-MCS01)
Monitor
SC-IPC3024M Series Management Screen
Device Management
Program
In case of failure
HDMI to SDI
(SC-HDT01E)
UHD HDMI Splitter-KVM
(SC-04UHDQ)
Device Manager
SC-IPS series management screen
E-Map configuration screen
NVR
Max. 600m(RG-6)

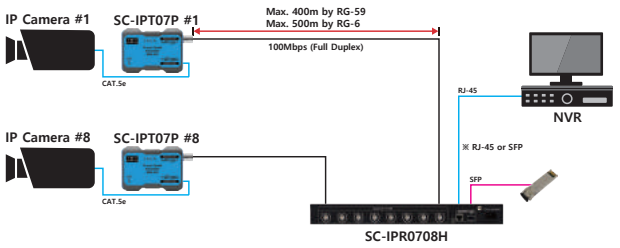
IP Transmission over Coaxial

IP + PoE Transmission 1km



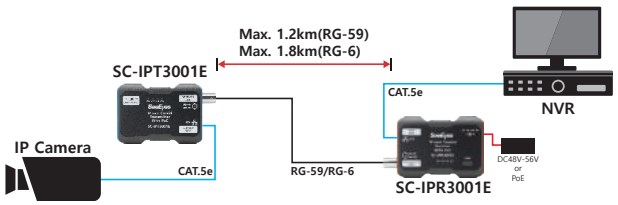
SC-IPC07P

IP + PoE Transmission 1km



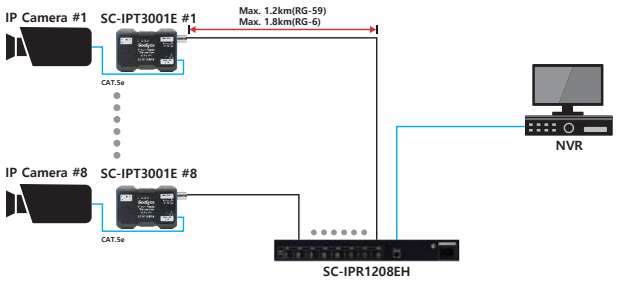
SC-IPC0708H

IP + PoE Transmission 1.8km



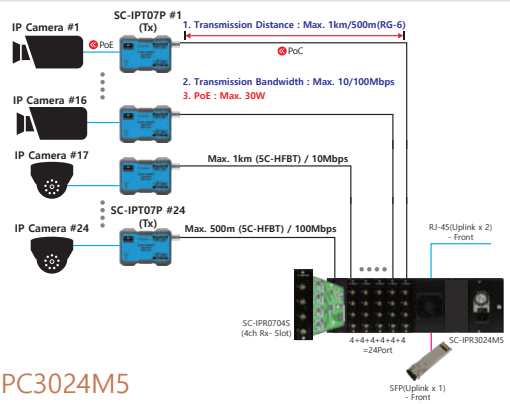
SC-IPC3001E

IP + PoE Transmission 1.8km



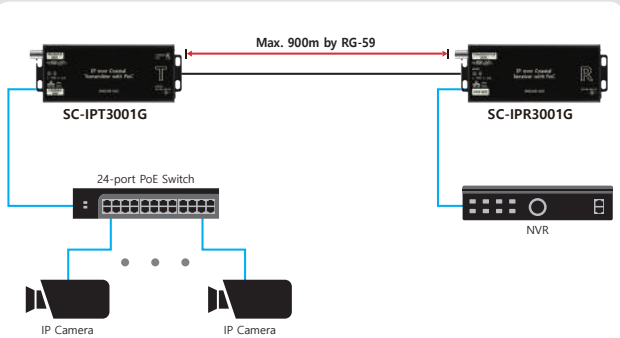
SC-IPC1208EH

24-Port-integrated-slot-type IP PoE Device 1km



SC-IPC3024M5

Giga IP + PoE Transmission 900m

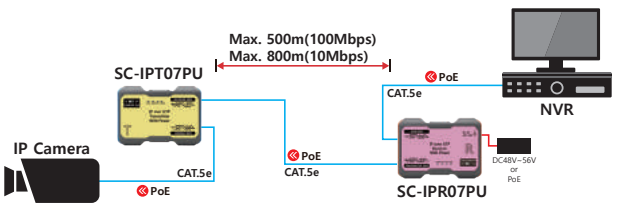


SC-IPC3001G

※ This data is the signal transmission distance. For the available PoC/PoE supply distance, please enquire separately.

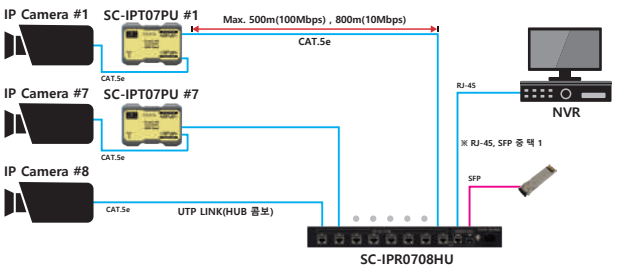
IP Transmission over UTP

IP + PoE over UTP long-distance transmission 800m



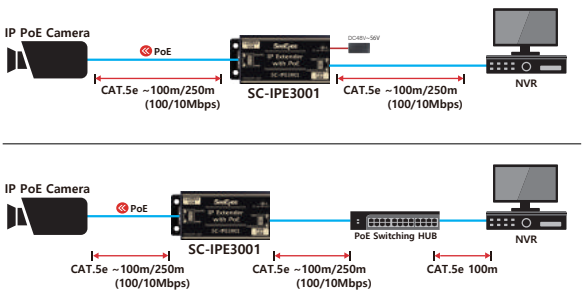
SC-IPC07PU

IP + PoE over UTP long-distance transmission 800m



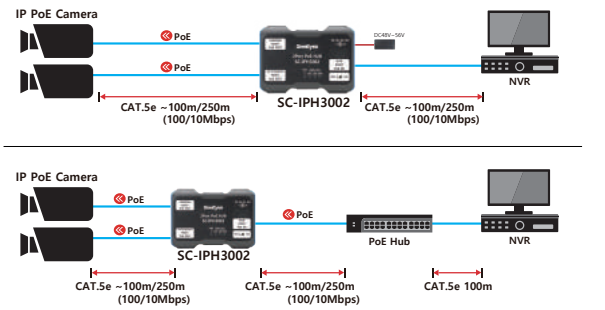
SC-IPC0708HU

IP + PoE Extender 100m/250m



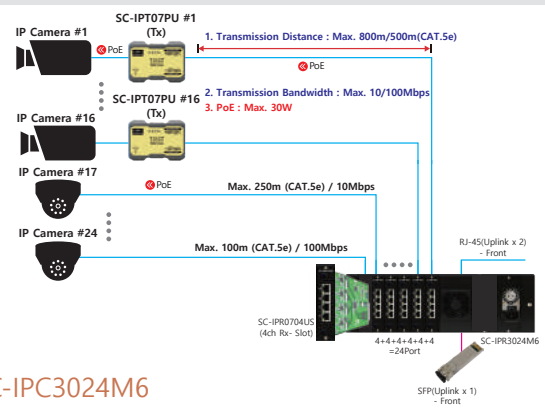
SC-IPE3001

2-in-1-out PoE Hub 100m/250m



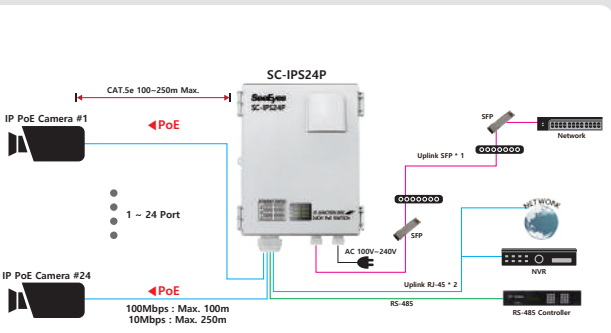
SC-IPH3002

24-Port-integrated-slot-type IP PoE Device 800m



SC-IPC3024M6

24-Port PoE Switch Hub 100m/250m

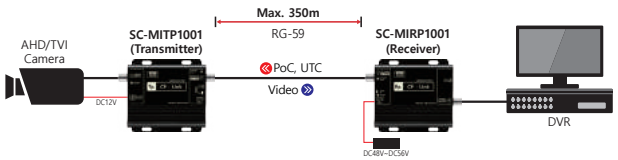


SC-IPS24P

※ This data is the signal transmission distance. For the available PoC/PoE supply distance, please enquire separately.

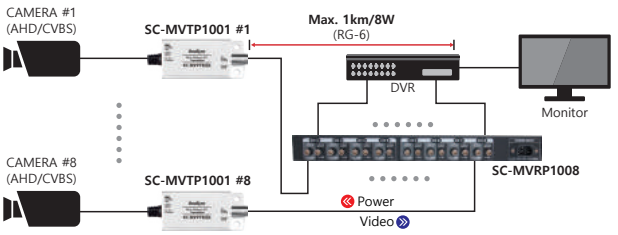
HD-Analog Transmitter & Converter

AHD/TVI + PoC + UTC Transmission 500m



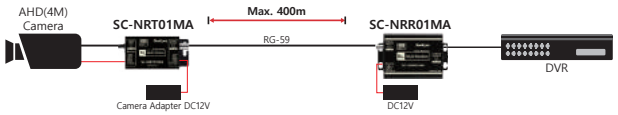
SC-MICP1001

AHD/CVBS Noise Remover + PoC Transmission 1km



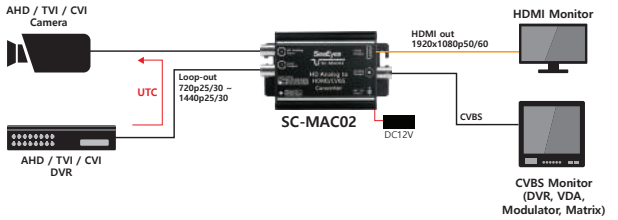
SC-MVCP1001

AHD/TVI/CVBS Noise Remover 500m



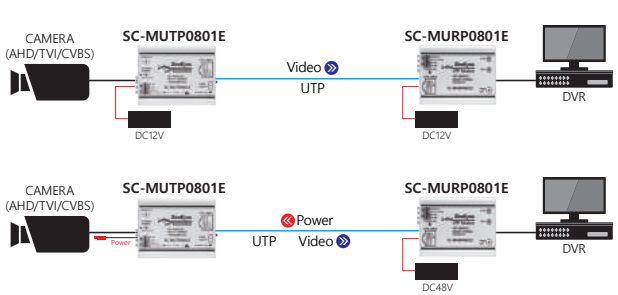
SC-NRC01MA

AHD/TVI/CVI/CVBS to HDMI/CVBS Converter



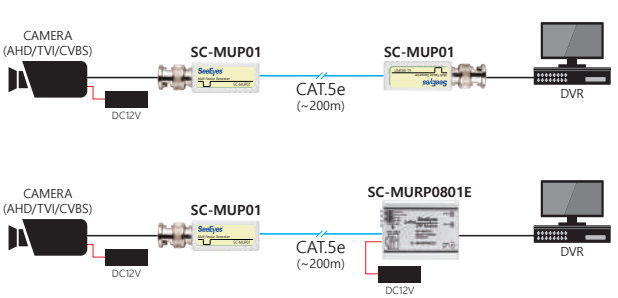
SC-MAC02

HD/SD-Analog + PoE + RS-485 via UTP 700m



SC-MUTP0801E/MURP0801E

AHD/TVI/CVBS over UTP transmission 200m

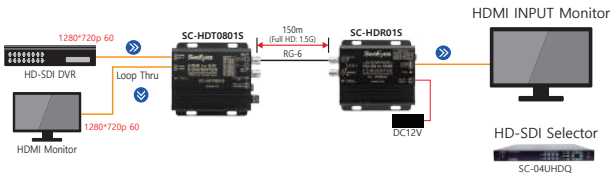


SC-MUP01

※ This data is the signal transmission distance. For the available PoC/PoE supply distance, please enquire separately.

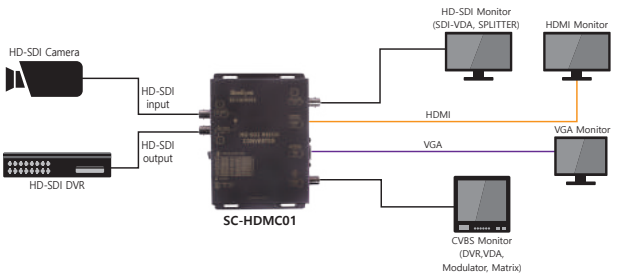
HD/EX-SDI Converter/Splitter

HDMI to HD-SDI/HD-SDI to HDMI Converter 200m



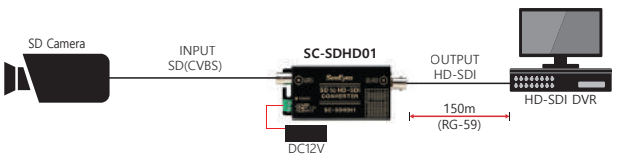
SC-HDT0801S/HDR01S

HD-SDI to HDMI/HD-SDI/VGA/CVBS Converter



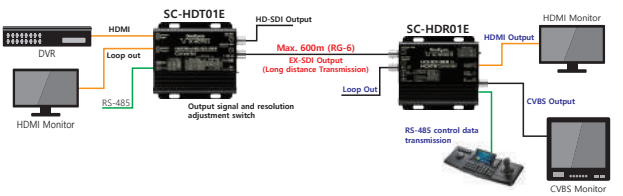
SC-HDMC01

CVBS to HD-SDI Converter



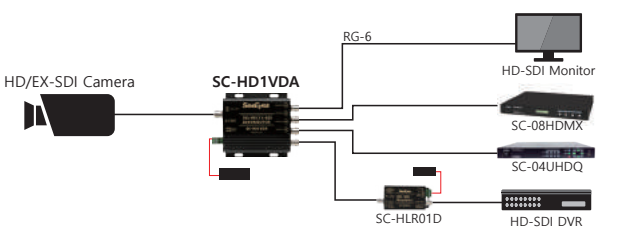
SC-SDHD01

HDMI to HD/EX-SDI, EX-SDI to HDMI CVBS Converter



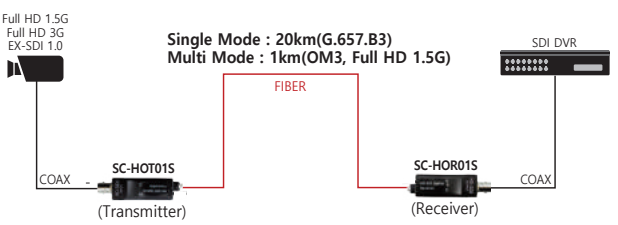
SC-HDT01E/HDR01E

HD-SDI 1-IN-4-OUT Splitter



SC-HD1VDA

HD-SDI Fiber Optical transmitter 1km/20km



SC-HOC01S

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