

Wireless system for IP HD Camera 5,6 GHz

Description:

- stable HD transmission
- supported resolutions: VGA 640x480, HD 1080P, QSXGA 2560 x 2048
- bidirectional transmission
- data transmission
- operating mode: point-to-point and point-to-multipoint
- OFDM modulation
- max speed 300Mbps
- possibility of connecting 2 IP cameras (two RJ45 inputs)
- PoE 15-18VDC (power consumption 0,8 A)
- possibility of connecting additional CDS-5IP units or IP cameras using same power supply
- 64/128/152-bit transmission coding
- standard operation range - 2km
- integrated dual MIMO aerial
- RPSMA antenna outputs for additional antennas - operation range extension
- external housing IP55 (-20°C ÷ +70°C)

Examples of kit selection:

- Install with 1 IP camera: CDS-5IP x 2pcs
- Install with 2 IP cameras: CDS-5IP x 3pcs
- Install with 8 IP cameras: CDS-5IP x 10pcs

Kit selection for distance 5km:

- Install with 1 IP camera: CDS-5IP x 2pcs, external directional aerial 30dbi x 2pcs
- Install with 2 IP cameras: CDS-5IP x 3pcs, omnidirectional aerial 13dbi x 1pc, external directional aerial 30dbi x 2pcs



CDS-5IP is a wireless unit designed for video/audio transmission in 5.6GHz band, output power 1W (30dbi). This unit ensures fluent transmission 25 fps. Bidirectional data transmission gives a possibility to control IP PTZ cameras.

CDS-5IP has integrated internal aerial and antenna outputs for additional aerials.

CDS-5IP



Wireless system for IP HD Camera **5,6 GHz**

CDS-5IP
CHANNEL 108



**REPEATING
POINT**

UTP cable

CDS-5IP
CHANNEL 116

CDS-5IP
CHANNEL 116

**Example of install
in point-to-multipoint
configuration
with repeating point.**

Specification:

Operation mode	VIDEO BRIDGE, MASTER, SLAVE
Configuration	point-to-point; point-to-multipoint
Resolution at refresh rate	HD1080p (1920 x 1080) HD720p (1280 x 720) PAL 768 x 576, 800 x 600 1024 x 768, 1280 x 960, 1280 x 1024 1400 x 1050, 1600 x 1200, 2048 x 1536 2560 x 2048, 2560 x 1600, 1920 x 1200 1920 x 1080, 1680 x 1050, 1440 x 960
Modulation	OFDM
Operation frequencies	8 available
Radio frequency	CE: 5.470 - 5.725 GHz FCC: 5.725 - 5.850 GHz
Standard operation range	2km
Range with additional antennas	5km
LAN in/out	2 x RJ45 10/100base-TX
Receiver sensitivity	- 89 dBm
Max output power on RPSMA connector	24 dBm +/- 2 dBm
Output power on internal antenna	CE: 30 dBm (1W e.i.r.p.)
Encryption	64/128/152-bit WEP, WPA, WPA-PSK, WPA2, WPA2-PSK, 802.1X
Antenna	internal 16dbi dual MIMO: operation angle H: 36°, V: 15° external: RP-SMA x 2
Recommended antennas	5,6GHz dual MIMO
Protection index	IP-55
Dimensions (mm)	110 x 255 x 47
Power supply	15V DC, 0.8A (PoE)
Power consumption	8,5W in transmitting mode 5W in receiving mode
Operation temperature	-20°C ~ 70°C

Certificates:

CE DFS: EN 301893 V1.5.1 (2008 - 12)
CE EMF: EN 5038:2002
CE EMC: EN 301 489-1 V1.8.1 (2008-4)
EN 301 489-17 V2.1.1 (2009-05)
DIRECTIVES 2006/95/EC: IEC 60950-1:2005 (2nd Edition)
EN 60950-1:2006+A11:2009

CDS-5IP