

Safety instructions

General safety instructions

- Before switching on and operating the system, first read this safety advice and the operating instructions.
- Keep the operating instructions in a safe place for later use.
- Installation, commissioning and maintenance of the system may only be carried out by authorised individuals and in accordance with the installation instructions - ensuring that all applicable standards and guidelines are followed.
- Protect the devices from water penetration and humidity, since these can cause lasting damage.
- Should moisture nevertheless enter the system, under no circumstance switch on the devices under these conditions, instead send them for examination to an authorised specialist workshop.
- The system must never be used outside of the technical specifications, since this can destroy it.
- The device must be protected from excesses of heat, dust, humidity and vibration.
- When separating the system from the voltage supply, only ever use the plug to pull out the cable. Never pull directly on the cable itself.
- Lay the connecting cables carefully and check that they are not mechanically stressed, kinked or damaged and that no humidity can penetrate into them.
- In the event of a malfunction, please inform your supplier.
- Maintenance and repairs may only be carried out by authorised specialist personnel.
- The system must be isolated from the power supply before opening the housing.
- The device may only be opened by qualified service personnel. Unauthorised access invalidates any warranty claim.
- Connection cables should always be exchanged through VIDEOR E. Hartig GmbH.
- Use only original spare parts and accessories from VIDEOR E. Hartig GmbH.
- The housing should only be cleaned using a mild domestic cleaning agent. Never use solvents or petrol as these can permanently damage the surface.
- During installation, it is essential to ensure that the seals provided are correctly installed and that they are not displaced during installation. Damaged seals must not be installed and will invalidate any warranty.
- The installer is responsible for the maintenance of the enclosure as per the technical data, e.g. by sealing the cable outlets with silicone.
- Wire end ferrules should be used when shortening the flexible connection cables.
- The devices may only be operated in the temperature range indicated in the data sheet and within the defined air humidity range.

Class A device note

This is a Class A device. This device can cause malfunctions in the living area; in such an event, the operator may need to take appropriate measures to compensate for these.

WEEE (Waste Electrical & Electronic Equipment)

Correct Disposal of This Product (Applicable in the European Union and other European countries with separate collection systems).



This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please

separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

Package Contents

Before you start to install this switch, please verify your package that contains the following items:

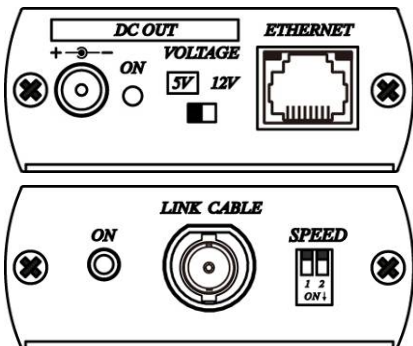
- Transmitter (1x)
- Receiver (1x)
- Power supply (1x)

Key Features

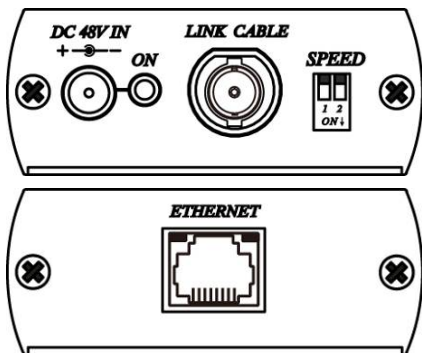
- Extend IP camera signal and power together over existing coaxial cable.
- Provide power to IP camera DC5V or DC12V.
- Long range transmission up to 300 meters (max.).
- Support 10/100BASE-T transmission rate.
- Perfect to upgrade the analog camera system into IP CCTV application.
- Plug and play for easy installation.

Panel view

Transmitter



Receiver



LED Indication

LED	Status description
Green	Power ON/OFF
Blue	Power output DC 5V
Red	Power output DC 12V
Yellow	Ethernet 10/100 Mbps linking
Green flashing	Data transmission

DIP Switch setting

Transmitter

Uplink data rate	Switch 1	Switch 2
21 Mbps (default)	↑	↑
25 Mbps	↓	↑
28 Mbps	↑	↓
36 Mbps	↓	↓

Receiver

Uplink data rate	Switch 1	Switch 2
3 Mbps (default)	↑	↑
4 Mbps	↓	↑
9 Mbps	↑	↓
11 Mbps	↓	↓

ENGLISH

IAM-5EC1001MOA

**Media Converter
Transmitter-Receiver**

Installation Guide



Sold exclusively through specialised dealers.
eneo® is a registered trademark of
Videor E. Hartig GmbH.
Subject to technical modifications.

Videor E. Hartig GmbH
Carl-Zeiss-Straße 8 • 63322 Rödermark,
Deutschland
Tel. +49 (0) 6074 / 888-0
Fax +49 (0) 6074 / 888-100

www.videor.com

www.eneo-security.com

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RJ45 Definition

Ethernet Cable (Use TIA/EIA-568-B)

1.	Orange-White	TX+
2.	Orange	TX-
3.	Green-White	RX+
4.	Blue	Reserve
5.	Blue-White	Reserve
6.	Green	RX-
7.	Brown-White	Reserve
8.	Brown	Reserve

Installation View

1. Connect the transmitter the receiver with coax cable at both ends before powering.
2. Power input use external DC 48V adapter to provide IP camera power DC5V/DC12V.

To make sure the transmission quality, you could setup the DIP Switch based on the cable distance, a longer distance setup to lower data rate; a short distance could be setup at higher data rate.

Cable:

As link cable use a high quality 75Ω coaxial cable.



Ethernet



DC Out
5V / 12V
DC



Transmitter

300m max.



Receiver



Adapter
48V



