

Instruction manual

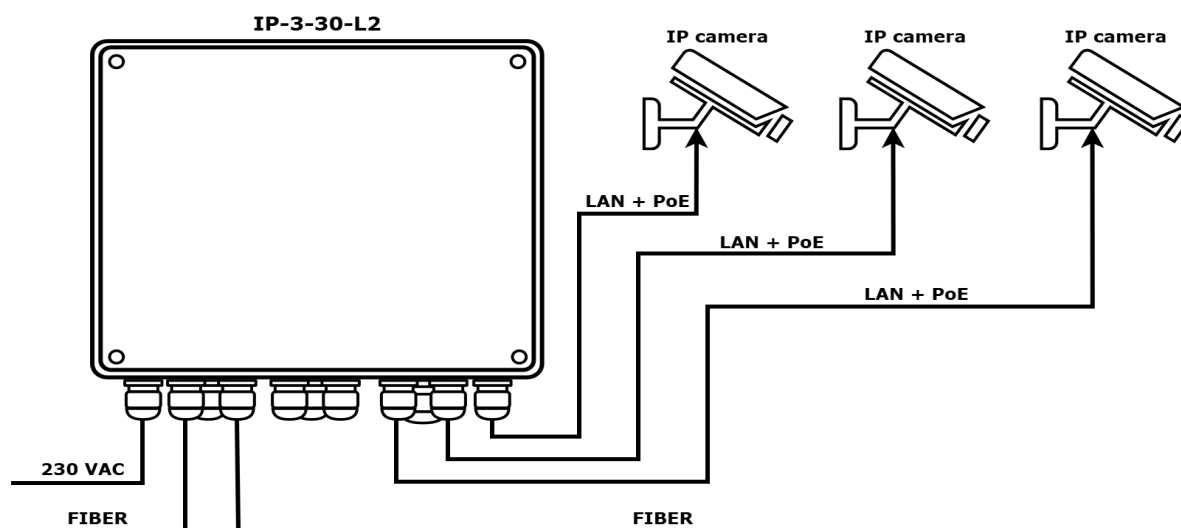
IP-3-30-L2

PoE kit for up to 3 IP cameras + 2 SFP ports,
RING mode

Operation Indication

LED PWR	White – power present Red - input voltage too low ($V_{in} < 30\text{ V}$) Red (blinking) – input voltage below 44 V
LED SET	Green - device in "slave" mode Blue - device in "master" mode
LAN 1 – LAN 4	Green - data transmission on the port Orange - PoE and data transmission on the port Red – network loop on port
FIB 1	Green – data transmission on the SFP port Blue - SFP RING loop detection
FIB 2	Green - data transmission on the SFP port
LED_AC	Yellow – mains power present
LED 1	Green – output voltage

Basic application



Description

IP-3-30-L2 is a PoE kit for up to 3 IP cameras (3x 802.3af/at PoE ports and 1x input port) featuring 2 SFP ports.

The kit is designed for fiber-optic installations; two SFP ports provide simultaneous fiber optic input and output.

IP-3-30-L2 supports operation in a ring topology. For proper RING operation (without network looping), one device must be configured as "master", as it is responsible for managing data forwarding between the SFP ports. The remaining PoE switches should be in factory setting ("slave" mode).

To change the operating mode of the xFIBER-6-30-OF (PoE switch included in the kit), press and hold the "SET" button for approximately 3 seconds until the adjacent LED starts blinking. Then, switch modes with a single press and confirm the selection by pressing and holding the button again for 3 seconds. In "master" mode, the SET LED should light up blue.

The entire kit is housed in an ABOX-L2 enclosure with an IP56 rating. The enclosure features 10 x M16 cable glands and 1 x M20 cable gland.

IP-3-30-L2 can be wall-mounted using the included adapters. It is also possible to mount the enclosure on a pole using the optional ADD-PMAL adapter.

Installation

1. Install the device in the selected location.
2. Connect the power cable to AC_IN screw terminal.
3. Connect the fiber optic cables to the SFP ports.
4. Connect the IP PoE receivers to LAN 2 – LAN 4 ports.
5. Turn on the power.
6. Close the enclosure.

Technical Specification

Connectors	AC_IN screw terminal – 0.25–4 mm ² , 0.4 Nm cables DC_OUT screw terminal – 0.25–4 mm ² , 0.4 Nm cables Vin screw terminal – 0.14–2.5 mm ² , 0.4 Nm cables Technical output – 0.14–1.5 mm ² , 0.2 Nm cables
LAN Ports	2 x RJ45 10/100/1000 Mbps 2 x RJ45 10/100 Mbps, 2 x SFP 100/1000 Mbps
Port functions	LAN 1: PoE input (switch power supply): 802.3af (up to 15W), 802.3at (up to 30W), 802.3bt (up to 60W), 802.3bt (up to 90W) PoE PINS: 1,2 (V+/-) 3,6 (V+/-) and/or 4,5 (V+/-) 7,8 (V+/-) or LAN input LAN 2 ... LAN 4: PoE OUTPUT (power to devices): 802.3af (up to 15W), 802.3at (up to 30W) PoE PINS: 1,2 (V-) 3,6 (V+) 4,5 (V+) 7,8 (V-)
Additional features	In RING mode, one of the modules must be set as the "master", and then all switches must be connected via fiber optic cable in a ring topology.
Switching capacity	8,4 Gbps
Input voltage	190 ... 260 VAC, 50 Hz
Maximum output power	96 W
Efficiency	93% @90 W
Output PoE voltage	55 VDC +/- 2%
Power supply protection	Input: 3.15 A fuse Output: 3 A electronic overload protection
Port protection	LAN 1 ... LAN 4: Surge protection LAN 2 ... LAN 4: Overload protection at 0.7 A
Technical output	Open-collector RING_F – proper RING topology connection, allowing break detection in the ring connection (for the "master" device only) LOOP – indicates a network loop on the RJ45 ports GND – ground
Indicators	LED PWR White – power present Red – input voltage too low (Vin < 30 V) Red (blinking) – input voltage below 44 V
	LED SET Green – device in „slave“ mode Blue – device in „master“ mode
	LAN1 – LAN4 Green – data transmission on the port Orange – PoE and data transmission on the port Red – network loop on port
	FIB 1 Green – data transmission on the SFP port Blue – SFP RING loop detection
	FIB 2 Green – data transmission on the SFP port
	AC_IN Yellow – mains voltage present
	LED 1 Green – output voltage
IP rating	IP56
Housing	ABOX-L2 / plastic / grey / cable glands: 10 x M16, 1 x M20
Assembly	Wall mounting, mounting brackets
Operating temperature	-25 ... +50°C
Dimensions	240 x 190 x 90 mm
Weight	1,144 kg

Find out more

IP-3-30-L2
on the WWW site



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Safety Precautions

- The installation and wiring must be performed by a competent engineer. For permanently connected equipment, a readily accessible disconnect device must be incorporated in the fixed wiring. The device must be connected to the mains supply 230 VAC 50 Hz via a specified fused connection outlet.
- Despite the fact that the enclosure of the device has a high degree of protection, it is recommended that the device should be mounted in places protected from direct influence of atmospheric factors, in particular against rain and direct sunlight.
- Since the power supply does not have a switch to isolate the mains supply, the installer is responsible for notifying the user of the means of isolating the mains supply from the device.
- When replacing fuses, use original or compatible types. The exact parameters of the fuses can be found on the inside of the device cover.

Before installation and during maintenance make sure that the mains voltage 230VAC is disconnected

This symbol on the product or on its packaging indicates that the product must not be disposed of with normal household waste. Instead such equipment must be disposed of by arranging to return it to a designated collection point for the recycling of waste electrical and electronic equipment.

