

IP-8-20-L2

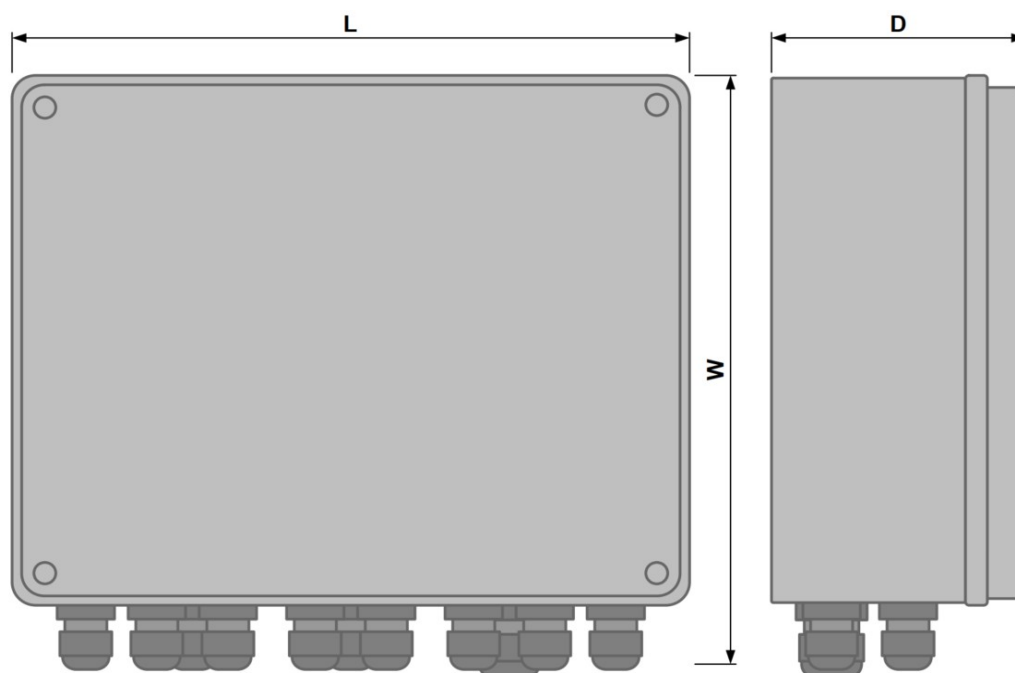
PoE kit for 8 IP cameras in outdoor enclosure ABOX-L2 with 96W power supply, 8xPoE 10/100Mbps + 2xGigabit Uplink

INSTRUCTION MANUAL

IP-8-20-L2 is a ready-to-use set, dedicated to powering an IP CCTV system consisting of 8 IP cameras. Electronic protection of PoE outputs ensures continuity of operation of the entire system in the event of a short circuit or overload of individual power supply branches, as well as automatic voltage recovery after the failure has ceased. The device is used in systems requiring increased network throughput, such as 4K Ultra HD CCTV monitoring.

Sets with PoE switch are designed to work with IP cameras and other network devices powered by PoE 802.3af/at and PoE PASSIVE.

The device is enclosed in an ABOX series outdoor enclosure providing a convenient solution to the problem of protecting equipment and cable connections mounted outdoors. High-quality plastic ensures resistance to UV radiation and other adverse weather conditions.



General view of the device

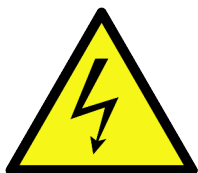
Technical Specification

LAN Ports	10 ports RJ45: 8 x PoE10/100Mbps 2 x Gigabit UpLink
Ports Functions	xPoE-10-20A-OF LAN 1 ... LAN 8: INPUT PoE - to powered devices PoE PASSIVE (up to 40W) and 802.3af (up to 15,4W), 802.3at (up to 30W) xPoE-10-20A-OF LAN G1, LAN G2: UPLINK Gigabit (without PoE power supply)
PoE Output Voltage	48 VDC +/- 2%
Power	96W
Efficiency	92% @90W
Input Voltage	190 ... 260 VAC, 50 Hz
Power Supply Input Protection	Slow-blow fuse 3,15A Overvoltage protection
Power Supply Output Protection	3 A Overload electronic protection Electronic short circuit protection (after short circuit it may be necessary to restart power supply) Overvoltage protection
Ports Protection	LAN 1 ... LAN 8, Vin: Overvoltage protection LAN 1 ... LAN 8: Short circuit protection at 0,75 A with autorecovery
Indication	APS-90-480-OF: LED_AC (yellow) - mains voltage LED1 (green) - output voltage xPoE-10-20A-OF: LEDs inside LAN 1 ... LAN 8 connectors - PoE power on specified port
Power Control	xPoE-10-20A-OF: Slide Switch PoE ON/OFF - position 1 ... 8 (LAN 1 ... LAN 8) PoE SWITCHED OFF on Port - slide switch position OFF PoE SWITCHED ON on Port - slide switch position ON
Housing Construction	Enclosure ABOX-L2: Enclosure material - halogen-free, UV resistant plastic box Color: grey (RAL7035) Built-in steel back plate with system drilling 4,8 mm in 10,8 mm pitch Cable glands 10 x M16, 1 x M20
Assembly	Wall mounting using brackets
Ingress Protection Rating	IP56
Operating Temperature	-25 ... +50°C
Dimensions	240 x 220 x 90 mm
Weight	1 kg

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.

WARNING



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

Installation

- Mount the device in the selected location and connect the connecting wires.
- Connect mains power supply to L, N terminals.
- Connect the camera cables.
- Turn on mains 230VAC power supply.
- After checking system operation, close the enclosure.

Operation Indication

APS-90-480-OF

LED_AC (yellow) – presence of mains voltage

LED1 (green) - presence of output voltage

xPoE-10-20A-OF

LED PWR (white) – power presence

LED in RJ45 connectors LAN 1 ... LAN 8 (red) – PoE presence

LED LAN 1 ... LAN 8 (green) – link and data transmission

LED LAN G1 ... LAN G2 (green) – Gigabit Uplink and data transmission

WEEE MARKING



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.

