

IPUPS-8-20-H

Buffer power supply for 8 IP cameras, indoor enclosure switch PoE 10/100Mbps 8xPoE + 2xGigabit Uplink

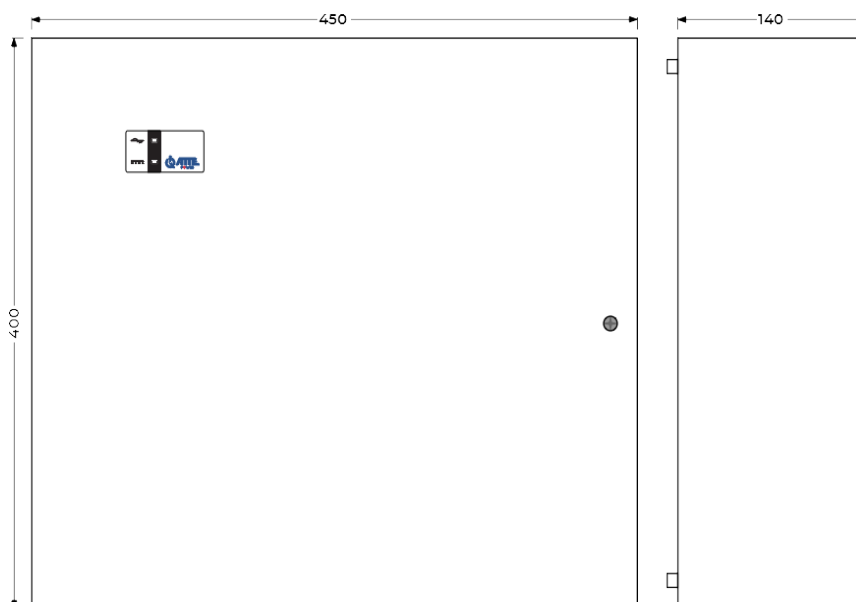
INSTRUCTION MANUAL

IPUPS-8-20-H is a set for buffer power supply of 8 IP CCTV cameras. The device is a convenient solution to the problem of buffer power supply for surveillance cameras requiring uninterruptible operation. The device is designed to cooperate with IP cameras and other network devices powered by PoE 802.3at/af and PoE PASSIVE.

Electronic protection of the 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 once the failure has ceased. The device is used in systems requiring increased network throughput, such as 4K Ultra HD CCTV.

An additional START button enables the power supply to be forced to start only from the battery without the available 230V mains voltage, the so-called 'cold start'.

The unit is enclosed in an ABOX series indoor enclosure that provides a convenient solution to the problem of aesthetically fitting monitoring equipment and terminating cables inside buildings. The casing is made of steel sheet, powder-coated in a semi-matt white colour.



General view of the device

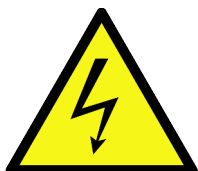
Technical Specification

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)
Battery	1 x battery gel or AGM 12V / 18Ah
Power Supply Output Voltage	12 VDC +/-15%
PoE Output Voltage	48 VDC +/- 2%
Power	72 W
Efficiency	90% @60W
Input Voltage	190 ... 260 VAC, 50 Hz
Battery Charging Current	1 A or 2 A (jumper JPI)
Power Supply Input Protection	Time Delay Fuse 3,15A
Power Supply Output Protection	Mains operation: Overload electronic protection 9A (after short circuit it may be necessary to restart power supply) Battery operation: Time Delay Fuse 6,3A
Ports Protection	LAN 1 ... LAN 8, Vin: Surge protection LAN 1 ... LAN 8: Short circuit protection 0,75 A with auto return
Battery Circuit Protection	Battery Reverse Polarity Protection and overload: Time Delay Protection 6,3A Battery Deep Discharge Protection: Battery disconnection under 10,2V with auto return when mains power supply is returned
Indication	AUPS-70-120-OF: LED1 (yellow) - mains voltage LED2 (green) - output voltage LED3 (red) - battery charging xPoE-10-20A-OF: LEDs in connector LAN 1 ... LAN 5 - PoE voltage
Technical Outputs	AUPS-70-120-OF: OUF – lack of voltage +DC_OUT ACF – lack of voltage AC Open Collector output with 50mA loading capability (each output)
Startup at AC Loss	Automatic startup of the PSU after connecting the battery
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-H Enclosure material - steel plate 0,8 mm Enclosure painted with white paint Mounted tamper switch System drilling 4,8 mm in 10,8 mm pitch Wall distance Mounting holes 6 mm
Assembly	Wall mounting through 6 mm mounting holes
Ingress Protection Rating	IP20
Operating Temperature	-25 ... +50°C
Dimensions	450 x 400 x 140 mm
Weight	4,4 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 appliance at the desired location and connect the connecting wires.
- Connect the earthing wire to the terminal with the earthing symbol
- Connect the optional OUF and ACF output circuits.
- Connect the 12V battery (for buffer operation).
- Set the charging current using jumper JP1.
- Connect the 230VAC power supply wires to the L, N terminals of the screw strip.
- Connect the camera cables.
- Switch on 230VAC power supply.
- After checking the correct operation of the unit, close the housing.

Operation Indication

- AUPS-70-120-OF LED1 YELLOW - presence of 230VAC mains voltage
- AUPS-70-120-OF LED1 GREEN - output voltage present
- AUPS-70-120-OF LED3 RED - Battery charging
- ASUC-100-480-OF The presence of the output voltage is indicated by a red LED.
- xPoE-10-20A-OF LED PWR (white) - power supply present
- xPoE-10-20A-OF LED in RJ45 connectors LAN 1 ... LAN 8 (red) - presence of PoE power supply on the port
- xPoE-10-20A-OF LED LAN 1 ... LAN 8 (green) - link and data transmission
- xPoE-10-20A-OF 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.

