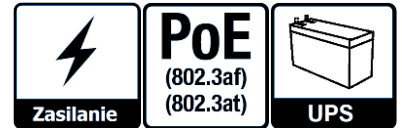# BCS-UPS/IP4/Z/E-S Buffer kit for 5 IP cameras in an external housing

PoE switch 10 / 100Mbps 5xPoE + 1xUplink

BCS-UPS / IP4 / Z / E-S is a set for buffer supply of IP CCTV cameras. The device is a convenient solution to the problem of a buffer power supply for surveillance cameras that require uninterrupted operation. The device is designed to work with IP cameras and other network devices powered in PoE 802.3at / af and PoE PASSIVE standards.

The LONG RANGE mode allows you to increase the transmission range up to 280m with the use of a standard UTP twisted-pair cable.

The system is adapted to work with lead-acid or dry SLA batteries.

The device is closed in the BCS-XL external housing, which is a convenient solution to the problem of protection of devices and cable connections installed outdoors. High-quality plastic ensures resistance to UV radiation and other unfavorable weather conditions.

- possibility of buffer supply of 5 PoE 802.3at / af or PoE PASSIVE receivers
- space for 1 7Ah battery
- up to 40W of power on PoE ports
- up to 70W of power on the LAN_5 PoE IN / OUT port
- possibility of data transmission at 280m (LONG RANGE)
- ability to turn off the power on selected ports
- independent electronic fuses for each PoE channel (auto return)
- low heating inside the housing thanks to the high efficiency of the power supply (> 90%)
- easy and quick commissioning without parameter configuration
- easy expansion of the system by adding additional switches
- cable glands installed in the housing: 5xM16 and 1xM20
- 4 brackets for mounting the housing without violating the IP56 protection class

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LAN ports	6 ports RJ45 10/100Mbps (5 x PoE, 1 x UPLINK)
Port functions	LAN 1 ... LAN 4: INPUT PoE PASSIVE (up to 40W) - switch power supply PoE OUTPUT - for PoE PASSIVE receivers (up to 40W) and 802.3af (up to 15.4W), 802.3at (up to 30W) LAN5: INPUT PoE PASSIVE (up to 70W) - switch power supply PoE OUTPUT (VIN> 48 VDC) - for PoE PASSIVE (up to 70W) and 802.3af (up to 15.4W), 802.3at (up to 30W) receivers LAN6: UPLINK (without PoE power supply)
Operating mode	"STANDARD" mode (MODE = OFF) LAN 1 ... LAN 6 - 10 / 100Mbps, range up to 100m "LONG RANGE" mode (MODE = ON) LAN 1 ... LAN 4 - 10Mbps, range up to 280m LAN 5 ... LAN 6 - 10 / 100Mbps, range up to 100m
Battery	1 x gel battery or AGM 12V / 7Ah
The output voltage of the power	12 VDC +/-15%
PoE output voltage	48 VDC +/- 2%
PSU power	72 W
Efficiency	90% @60W
Input voltage	190 ... 260 VAC, 50 Hz
Battery charging current	1 A or 2 A (selected with JP1 jumper)
Power supply input protection	Time-lag fuse 3.15A
Power supply output protection	Mains supply: Electronic overload protection at the level of 9 A (after a short circuit, a restart of the power supply may be required) Battery operation: 6.3A slow-blow fuse
Port security	Overvoltage protection LAN 1 ... LAN 4 0.75A short circuit protection with auto back LAN 5 1.25A short circuit protection with auto back
Battery circuit protection	Protection against reverse battery connection and overload: 6.3A melting fuse Protection against deep discharge: Battery disconnection for a voltage below 10.2 V with automatic reconnection of the mains voltage
Signaling work	LED1 (yellow) - mains voltage presence LED2 (green) - presence of the output voltage LED3 (red) - battery charging LEDs in LAN 1 ... LAN 5 connectors - PoE power supply on the port
Technical outputs	OUF - no voltage + DC_OUT ACF - no AC voltage Open collector outputs with a maximum load of 50mA (each output)
Startup in the absence of AC power	Automatic activation of the power supply after connecting the battery
Power control at ports	PoE ON / OFF switch - positions 2 ... 6 (LAN 1 ... LAN 5) PoE OFF at the port - switch in the OFF position PoE ENABLED on the port - switch in the ON position
Housing design	BCS-XL housing Housing material - plastic, color gray (RAL7035) Installed glands 5 x M16, 1 x M20
Installation	Wall mounted, mounting brackets
Level of security	IP56
Working temperature	-20 ... +50°C
Dimensions	300 x 220 x 120 mm
Libra	1,64 kg