

CODE: **R1612T** v.1.0/II

TYPE: **R 12V/16x1,5A/TOPIC RACK** mounted power supply for up to 16 HD cameras.



Features:

- DC 12V/16x0,87A uninterruptible power supply for powering HD cameras ($\Sigma I=14A$ max.)
- the adjustment of output voltage in the range 12V÷15V DC available from the front panel of the power supply unit
- 16 outputs independently protected by 1,5A melting fuses
- wide range of mains supply AC: 176÷264V AC
- high efficiency 80%
- LED optical indication: AC, DC, TEMP, LoB, ALARM, AUX1 ÷ AUX16
- acoustic indication of failure
- control of voltage presence at the AUX1 ÷ AUX16 outputs
- the ALARM technical output of collective failure –relay type, activated by:
 - 230V AC power loss
 - activation of the output fuse in the camera power supply circuit
 - too high temperature of the PSU (>70°C)
 - the PSU failure
- protections:
 - SCP short-circuit protection
 - OVP overvoltage protection
 - overvoltage protection
 - overload protection OLP
- forced cooling (fan)
- warranty – 2 year from the production date

DESCRIPTION

The **R1612T** power supply unit is designed for uninterrupted power supply of up to 16 HD cameras requiring stabilized voltage of **12V DC** with the total current efficiency of **14A**. The output voltage adjustment range is adjusted via a potentiometer within the range of **12V÷15V DC**. The PSU is fitted with 16 outputs protected independently with melting fuse 1,5A. The power supply is fitted with the **ALARM** output of collective failure. In case of failure, relay contacts are switched automatically, which is accompanied by acoustic and optical indication (the corresponding led goes on). The power supply construction is based on the switch mode PSU with high energy efficiency and is located in an enclosure adapted for mounting in standard **RACK** 19" cabinets.

RACK POWER series power supply unit

RACK mounted power supply 12V DC for up to 16 HD cameras



| SPECIFICATIONS | |
|--|--|
| PSU type: | A (EPS - External Power Source) |
| Mains supply: | 176÷264V AC 50÷60Hz |
| Current up to: | 1,6A@230V AC max. |
| Supply power: | 168W max. |
| Efficiency: | 80% |
| Output voltage: | 12V DC |
| Voltage adjustment range output | 12÷15V DC |
| Output current | 16 x 0,87A ($\Sigma I = 14A$) max. @12V |
| Ripple: | 100 mV p-p max. |
| Short-circuit protection SCP | 16 x F 1,5A melting fuse |
| Overload protection OLP | 105% ÷ 150% of the PSU power, automatic return |
| Surge protection | varistors |
| Overvoltage protection OVP | >16V (automatic recovery) |
| The ALARM technical output of collective failure | Relay type: 1A@ 30VDC/50VAC |
| Optical indication of operation: | LED: AC, DC, TEMP, ALARM, AUX1÷AUX16 |
| Acoustic operation indication: | Piezoelectric indicator ~75dB/0,3m |
| Operating conditions: | 2nd environmental class, -10 °C÷45 °C |
| Enclosure: | Steel plate RAL 9005, black |
| Enclosure dimensions: | W=19", H=2U; 482 x 88 x 223 mm (WxHxD) |
| Net weight: | 5,60kg / 6kg |
| Fixation | four-point butt mounting to RACK profiles – the set include 4 M6 screws + cage nuts |
| Declarations, warranty | CE, 2 year from the production date |
| Notes: | Forced cooling (fan). 230V AC input: the IEC C14 socket with a fuse, power cable 1,5m (included) Outputs: ALARM, AUX1÷AUX16: $\Phi 0,5-2,1$ (AWG 24-12) 0,5-2mm ² |