

# CAMERAS POWER SUPPLY ZK-40/16

The ZK-40/16 supplies electrical current, 40V DC, to several camera stabilizers SK-40 over a standard CCTV YAP75-0.59/3.7+2x0.5 cable. The number of SK-40s depends on the distance separating cameras from power supply and whether the cameras are equipped with thermostats. The ZK-40/16 is powered by 29V AC / 2A from its own independent power source (TTS-80 mains transformer).

The ZK-40/16 power supply unit feeds the line with non-stabilized ca.40V DC which passes to SK-40 stabilizer. The stabilizer delivers stable 12V DC, which is used for powering cameras with thermostats. SK-40/16 has internal fuse and power-on LED.

On the assumption that camera and thermostat current consumption is 250 mA and 500mA respectively, the power may be delivered over the following distances:

1	14 cameras without thermostats up to 980 meters
2	4 cameras with thermostats up to 300 meters
3	6 cameras: 2 cameras with thermostats up to 300 meters 4 cameras without thermostats up to 980 meters
4	16 cameras without thermostats up to 100 meters
5	6 cameras with thermostats up to 100 meters
6	12 cameras: 2 cameras with thermostats up to 100 meters 10 cameras without thermostats up to 100 meters

All distances are calculated to 2x0.5mm<sup>2</sup> copper cable.

The SK-40 current consumption is greater for the longer distances. For the short distances than the table ones, the amount of the using cameras can be greater.

## SPECIFICATIONS:

Power	29V AC / 2A
Output voltage	40V DC
Maximum output current @ 40V	2A
Fuse 5x20 (delayed)	3A / 250V
Weight	100g
Dimensions	120 x 38 x 90mm

## Schematic diagram for six cameras:

