

Code: G-16-RACK

## VIDEO DISTRIBUTOR **G-16-RACK**

The G-16-RACK device allows to comfortable connect 16 YAP type CCTV cables and orderly power supply distribution from one higher power unit. The G-16-RACK distributor splits the power into 16 outputs, each of them is protected by fuse and has indication of output voltage (the corresponding LED glows when the voltage is present at the output). The G-16-RACK has three power inputs, which are connected to each other (two of them are located on the front panel and third on the fuse board). It does not matter to which connector we connect the power voltage, so it is possible to use cable with DC 2.1/5.5 power plug or isolated wires. The devices can be also connected in series, for example: from the cable terminals of the first device DC IN to the second G-16-RACK device input DC IN via WT-2.1 cable. The power outputs are connected together via silver wire, which can be cut to divide the sockets into two groups. Each group can be powered by different power voltage. We can for example divide the sockets into three groups and for each of them connect the different power voltage to eliminate the voltage drops on the power cables. No more hanging down wires in the RACK cabinet. Take care about your wires arrangement.

A standard CCTV YAP75-0.59/3.7+2x0.5 cable has 2 wires 0.5mm<sup>2</sup> each. Theoretical resistance is 3.4Ω/100m. Manufacturer data is 5.5Ω/100m. Powering the camera with DC 12V over CCTV YAP75 cable and assuming the voltage drop to 11V, the power may be delivered over the distances shown on the below table.



Standard:	CVBS - PAL / NTSC
Number of video outputs:	16 pcs BNC socket
Number of video inputs:	16 pcs Cable terminals
Number of power outputs:	16 pcs Cable terminals
Number of power inputs:	3 pcs 2.1/5.5mm socket / cable terminals
Maximal power supply current:	10 A
Maximal current for single output:	1 A
Type of fuses:	1A/250V, 5/20mm, delayed
Power supply:	8 ... 30 V DC (typical 12V)
Device current consumption (for different Uz):	12 V = 150 mA / 30 V = 250 mA
LEDs application:	<ul style="list-style-type: none"> <li>• red "POWER" - indicates the power voltage (DC IN)</li> <li>• green "PWR LED" - indicates the fuse blown (if there is no light means the fuse blown)</li> <li>• yellow "VIDEO LED" - indicate the video signals</li> </ul>
Max. current:	<ul style="list-style-type: none"> <li>• 150mA camera - 98 meters (R=3,40hm/100m)</li> <li>• 150mA camera - 60 meters (R=5,50hm/100m)</li> <li>• 650mA camera + thermostat - 22 meters (R=3,40hm/100m)</li> <li>• 650mA camera + thermostat - 14 meters (R=5,50hm/100m)</li> </ul>
Assembly:	Rack 19"
Housing:	Metal
Color:	Black
Operation temp. / Relative humidity:	-50 °C ... 55 °C / < 95 %



## DATA SHEET

Weight:	0.53 kg
Dimensions:	483 x 44 x 67
Manufacturer / Brand:	DELTA
Guarantee:	<b>3 years</b>