




	<a href="#">AHD, HD-CVI, HD-TVI CVBS SPEED DOME CAMERA OUTDOOR OMEGA-PTZ-52H4-4 - 5 Mpx 2.8 ... 12 mm</a>	<a href="#">RFID PROXIMITY CARD ATLO-104*P200</a>	<a href="#">OPTICAL REFLECTOMETER (OTDR) WITH CCTV TESTER CS-R8-80H</a>
			
	585.60 PLN 585.60 PLN	250.00 PLN 250.00 PLN	6398.40 PLN 6398.40 PLN
In package	...	<b>200 pcs The price for package</b>	...
Standard	AHD, HD-CVI, HD-TVI, CVBS	...	...
Standard	...	Unique EM 125kHz	...
Sensor	1/2.9 " Sony CMOS	...	...
Compatibility	...	EM4100/4102	...
Matrix size	5 Mpx	...	...
Possibility of programming the serial number (ID)	...	—	...
Ability to write to internal memory	...	—	...
Serial Number overprint	...	—	...
Main features	...	<ul style="list-style-type: none"> <li>• Range : ~ 11 cm</li> <li>• The TK-4100 chip</li> </ul>	...
Optical time-domain reflectometer (OTDR)	...	...	<ul style="list-style-type: none"> <li>• Optical wavelength : 1310 nm / 1550 nm,</li> <li>• Dynamic range : 28/26 dB</li> <li>• Wide measuring range <math>\leq</math> 105 km</li> <li>• Accuracy : <math>\pm (1 m + 5 \times 10^{-5} \times \text{distance} + \text{sampling interval})</math></li> <li>• Connectors : SC</li> <li>• Measurement duration : 5 s, 10 s, 15 s, 30 s, 1 min, 2 min, 3 min</li> </ul>
Manufacturer / Brand	...	ATLO	...
Optical power measurement	...	...	Optical power measurement in fiber optic networks (ST and SC adapters) Optical wavelength : 850, 1300, 1310, 1490, 1550, 1625 nm Range : -70 ... +10 dBm
Resolution	<ul style="list-style-type: none"> <li>• AHD / HD-TVI : 2592 x 1944 px - 5 Mpx @ 15, 20 fps</li> <li>• AHD / HD-CVI / HD-TVI : 2560 x 1440 px - 4 Mpx @ 25 fps</li> <li>• CVBS : 960 x 576 px - 960H</li> </ul>	...	...
Range of IR illumination	60 m	...	...
VLS (VFL) - Visual Fault Locator of fiber cable	...	...	Laser LD, 650 nm, 10 mW Range 8 km
Lens	2.8 ... 12 mm - Motozoom	...	...
View angle	<ul style="list-style-type: none"> <li>• 91 ° ... 28 ° (manufacturer data)</li> <li>• 70 ° ... 29 ° (our tests result)</li> </ul>	...	...
Optical zoom	x 4	...	...
Digital zoom	x 16	...	...
Rotation speed depending on ZOOM level	—	...	...
Auto IR illuminator	✓	...	...
Horizontal rotation range	0 ° ... 350 ° - Rotation of the head is limited by stops	...	...
Video standard	...	...	<ul style="list-style-type: none"> <li>• AHD - 8 Mpx,</li> <li>• HD-CVI - 8 Mpx,</li> <li>• HD-TVI - 8 Mpx,</li> <li>• TCP/IP - 8K,</li> <li>• CVBS - PAL / NTSC</li> </ul>

Vertical rotation range	0 ° ... 70 °	...	...
Display	...	...	8 " IPS - capacitive touch screen, 1920 x 1200 px
Rotation speed (manual control)	20 °/s (horizontal) , 25 °/s (vertical)	...	...
Preset rotation speed	25 °/s (horizontal) 20 °/s (vertical)	...	...
PTZ control	Via interface RS-485 Default address : 1, 2400 bps	...	...
Video input	...	...	<ul style="list-style-type: none"> <li>• 1 pcs AHD / HD-CVI / HD-TVI / HD-SDI / CVBS - BNC socket,</li> <li>• 1 pcs HDMI, 60 fps, 4K</li> <li>• 1 pcs VGA</li> </ul>
Video output	...	...	1 pcs HDMI 4K
S/N ratio	> 50 dB	...	...
Port LAN	...	...	2 pcs - PoE cameras and switches support
Audio input	...	...	1 pcs Mini Jack
Audio output	...	...	1 pcs Mini Jack
Video signal level meter	...	...	—
Video signal generator	...	...	—
Serial ports	...	...	RS-485
Video output	AHD / HD-CVI / HD-TVI / CVBS, 1 Vpp 75 Ω	...	...
Audio	—	...	...
Number of presets	220	...	...
Route settings	8	...	...
Horizontal scan	—	...	...
Park action	Calling the preset position after a specified dwell time	...	...
Alarm inputs / outputs	—	...	...
OSD menu	✓	...	...
Power supply	12 V DC / 860 mA	...	...
Power consumption	≤ 10.3 W	...	...
Housing	Speed Dome, Plastic	...	...
Color	White	...	...
"Index of Protection"	IP67	...	...
Vandal-proof	—	...	...
Operation temp	-40 °C ... 60 °C	...	...
Protocols	Pelco-D, Pelco-P (auto detection)	...	Support for over 30 RS485 protocols : Pelco-D, Pelco-P, YAAN, YAAN-O, YAAN-1, SAMSUNG, PANASONIC, Lihl-FAST, Lihl-MLP2, MOLYNX, MINKING A01, Fastrax, CBC, LC-NEW, WV-CS850, SONY-EVI, LG-MULTIX, DAT-SD, VICON, Vcltp, DH-YTC 06, Santachi, Bosch OSRD, TeleEye DM2, HD 600, Hikvision, KALATEL ASC, AD 168(M-B), SAMSUNG SPD, Siemens, CoHu, MINKING B01, ALEC
Baud rates	...	...	150, 300, 600, 1200, 2400, 4800, 9600, 19200, 38400, 115200 b/s
LAN (twisted-pair) or telephone cables testing	...	...	UTP cables or phone lines connecting test with RJ-45 connectors
RS-485, lines test	...	...	Data analysis from control device (the commands are displayed in hexadecimal)
Wi-Fi Module	...	...	2.4 GHz / 5 GHz
Identification the wire in the group of wires	...	...	✓
Audio test	...	...	✓

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Digital multimeter	...	...	Measurement : voltage, current, resistance, continuity test, diode test, electrical capacity
TDR reflectometer	...	...	Detecting and locating a cable break or short circuit, 180 m (max)
Operation as power source	...	...	<ul style="list-style-type: none"> <li>• 5 V DC / 2 A from USB port</li> <li>• 12 V DC / 3 A</li> <li>• 24 V DC / 2 A</li> <li>• 48 V (PoE, LAN), 24 W</li> </ul>
Battery power supply	...	...	<ul style="list-style-type: none"> <li>• 7.4 Li-Ion battery 7800 mAh</li> <li>• 15 V DC / 2 A (power adapter included)</li> </ul>
Estimated battery operation time	...	...	≤ 11 hours
Operation	...	...	Graphical menu - touch control and by using the buttons



Main features	<ul style="list-style-type: none"> <li>• 3D-DNR - Digital Noise Reduction</li> <li>• AGC - Automatic Gain Control</li> <li>• Auto White Balance</li> <li>• Auto White Balance</li> <li>• ICR - Movable InfraRed filter</li> <li>• Sharpness - sharper image outlines</li> </ul>	<ul style="list-style-type: none"> <li>• Optical time-domain reflectometer (OTDR)</li> <li>• AHD cameras test</li> <li>• HD-CVI cameras test</li> <li>• HD-TVI cameras test</li> <li>• HD-SDI cameras test</li> <li>• PAL/NTSC cameras test</li> <li>• IP cameras test - Supported image compression methods : H.265, H.264, MJPEG</li> <li>• Searching and view of IP cameras compatible with Onvif</li> <li>• Motor units and PTZ (Speed Dome) cameras control</li> <li>• IP cameras view from embedded applications - DH test tool, Hik test tool, UNV Test Tool, HuaWei Tool, TP-Link tool, Tiandy tool EZView</li> <li>• Built-in camera (possibility to take photos and record videos)</li> <li>• Embedded Internet browser - Google Chrome</li> <li>• LAN connections monitoring</li> <li>• IP addresses scanner</li> <li>• PING - test the link using ICMP packets</li> <li>• Detection of the connected port in switch</li> <li>• LAN (twisted-pair) cables testing</li> <li>• The Cable tracer application - easy cable location in a disordered bundle</li> <li>• PoE cameras and switches support</li> <li>• PoE power meter</li> <li>• DC 5V / 12V / 24V / 48V power source</li> <li>• TDR reflectometer</li> <li>• Optical power meter</li> <li>• Gigabit SFP fiber module port for fiber optic network test</li> <li>• VLS (VFL) - Visual Fault Locator of fiber cable</li> <li>• Data monitor - serial port data analysis RS-485</li> <li>• Laser Rangefinder : 100 m ± 3 mm</li> <li>• Digital Multimeter</li> <li>• Audio test</li> <li>• Hotspot - Wi-Fi</li> <li>• Playback the records</li> <li>• VLC Media Player application installed - the ability to play multimedia files in many popular formats (.mp3, .mp4, .avi, .mpeg and others)</li> <li>• microSD socket - The 8 GB memory card included in the kit</li> <li>• Calculator</li> <li>• Quickoffice package installed - creation and reading of .docx text documents, .xlsx spreadsheets and .pptx multimedia presentations</li> <li>• Flashlight built-in</li> <li>• The ability to change the display theme and background</li> <li>• Android 10</li> </ul>
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Operation temp	...	...	-10 °C ... 50 °C
Permissible relative humidity	...	...	30 % ... 90 %
Weight	0.57 kg	0.006 kg	1.35 kg
Dimensions	Ø 110 x 100 mm	86 x 54 x 1 mm	274 x 170 x 48 mm
Supported languages	English	...	Polish, English, Bulgarian, Czech, French, Greek, Spanish, German, Portuguese, Russian, Turkish, Italian
Guarantee	2 years	2 years	2 years

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