



	SILVER OXIDE BATTERY BAT-321 ENERGIZER	IP SPEED DOME CAMERA OUTDOOR DS-2DE4225W-DE - 1080p 4.8 ... 120 mm Hikvision	VIDEO BALUN ZTR-8AC	EXTENDER ETHERNET+PoE EXT-POE3 PULSAR	VIDEO SEPARATOR D- SEP2/HD	EXTENDER HDMI+USB- EX-100	EXPANSION PLUG KW-10/5X80 KLIMAS
							
	13.06 SEK 13.06 SEK	6816.67 SEK 6816.67 SEK	1388.89 SEK 1388.89 SEK	344.44 SEK 344.44 SEK	71.06 SEK 71.06 SEK	1204.17 SEK 1204.17 SEK	1.58 SEK 1.58 SEK
Rated voltage	1.55 V	...	...	...	...	...	...
Sensor	...	1/2.8 * Progressive Scan CMOS	...	...	...	...	...
Material	• Expansion plug, Polypropylene • Screw, Steel galvanized
Type (size)	321 / SR616SW / SR65	...	...	...	...	...	...
Matrix size	...	2.1 Mpx	...	...	...	...	...
Drilling diameter	10 mm
Expansion plug length	50 mm
Supported HDMI resolutions	480i, 480p, 576i, 576p, 720p, 1080i, 1080p	...
Maximal transmission range	100 m UTP cat. 5e, 6	...
Max. number of receivers working in the same time	253	...
Screw dimensions	Ø 5 x 80 mm, PZ-2
Protocols	HDbitT	...
Resolution	...	1920 x 1080 - 1080p 1280 x 960 - 1.3 Mpx 1280 x 720 - 720p	...	...	...	...	...
Standard	...	TCP/IP	• AHD - 4 Mpx, • HD-CVI - 720p, • CVBS - PAL, NTSC	...	• AHD - 8 Mpx, 4K UHD • HD-CVI - 8 Mpx, 4K UHD • HD-TVI - 8 Mpx, 4K UHD • CVBS - PAL / NTSC	...	...
Application	• Concrete • Solid clay brick • Solid sand-lime brick
Device type	Passive - Video / Active - Power supply	...	Passive	...	...
Number of inputs	1 pcs - RJ-45 socket	1 pcs BNC socket	...	...
Number of outputs	3 pcs - RJ-45 socket	1 pcs BNC plug	...	...
Input impedance	75 Ω	...	...
Output impedance	75 Ω	...	...
Opto-isolation between inputs and outputs	16 V DC	...	...
Number of channels	8 Video + Power supply 24 / 28 V AC 2 DATA	...	...	...	...
Input power pairs PoE IN	1/2 (+) 3/6 (-) 4/5 (+) 7/8 (-)	...	...	...
Output power pairs PoE OUT1/2	4/5 (+) 7/8 (-) - Passive PoE	...	...	...
Ethernet interface	10/100 Mb/s	...	...	...
Protections	• Short-circuit • Overload	...	...	...
Operation state indication	LED diodes	...	...	...
Video transmission range	• 250 m @ 720p - UTP cat. 5e • 150 m @ 1080p - UTP cat. 5e • 400 m @ CVBS - PAL, NTSC - UTP cat. 5e	...	...	...	...
Insertion loss	0.5 dB	...	...
Scanning system	...	Progressive	...	...	...	...	...
Bandwidth	180 MHz	...	...
Lens	...	4.8 ... 120 mm	...	...	...	...	...
View angle	...	• 58 ° ... 2.5 ° (manufacturer data) • 54 ° ... 3.4 ° (our tests result)	...	...	...	...	...
Optical zoom	...	x 25	...	...	...	...	...
Digital zoom	...	x 16	...	...	...	...	...
Attenuation	• 4.43 MHz @ 0.69 dB • 11 MHz @ 1.45 dB • 21 MHz @ 3.09 dB • 38 MHz @ 5.42 dB • 42 MHz @ 5.78 dB • 67.5 MHz @ 20.39 dB	...	• 4.43 MHz @ 0.21 dB • 11 MHz @ 0.41 dB • 21 MHz @ 0.82 dB • 38 MHz @ 1.19 dB • 42 MHz @ 1.17 dB • 67.5 MHz @ 3.46 dB	...	...
Input voltage	230 V AC	...	...	...	...
Coaxial socket voltage range 75Ω (CVBS)	1 Vpp	...	...	...	...
Output current	0.7 A x 1 Output	• 0.6 A - PoE OUT 1/2 ports - Compliance with PoE (802.3af/at) • 0.3 A - Port PoE OUT 3 - Passive PoE Total max. 0.6 A	...	...	...
Output voltage	24 V AC	Compatible with the power supply voltage	...	...	...
Min. illumination	...	• 0.005 Lux @ F1.6 (color), • 0.001 Lux @ F1.6 (B/W)	...	...	...	...	...
Main features	Possibility to disconnect the output voltage	...	...	• The need for a separate power supply for the transmitter and receiver	...
Video output	...	---
Preset rotation speed	...	160 °/s (horizontal) 120 °/s (vertical)	...	...	...	...	...
Connectors type	8 x BNC Socket
Symmetrical socket type	11 x RJ-45 (8-pin, 4 pairs) Socket

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Permissible relative humidity	< 95 %	0 % ... 90 % (non-condensing)	...
Rotation speed (manual control)	...	0.1 °/s ... 160 °/s (horizontal) 0.1 °/s ... 120 °/s (vertical)
Operation temp	...	...	-10 °C ... 50 °C	-10 °C ... 40 °C	-20 °C ... 55 °C	-10 °C ... 60 °C	...
Horizontal rotation range	...	360 ° continuous	...	...	...	...	...
Vertical rotation range	...	-15 ° ... 90 °	...	...	...	...	...
RS-485 interface	...	—	...	...	...	...	...
Number of presets	...	300	...	...	...	...	...
Horizontal scan	...	✓	...	...	...	...	...
Route settings	...	8	...	...	...	...	...
Image compression method	...	H.265 / H.265+ / H.264 / H.264+ / MJPEG	...	...	...	...	...
Bitrate	...	32 ... 16384 kbps	...	...	...	...	...
Alarm inputs / outputs	...	1 / 1	...	...	...	...	...
Audio	...	• External microphone input, • Audio output, • Audio detection	...	...	...	...	...
Main stream frame rate	...	25 fps @ 1080p 50 fps @ 1.3 Mpx	...	...	...	...	...
Network interface	...	10/100 Base-T (RJ-45)	...	...	...	...	...
Power supply distance	...	...	For 12V DC cameras • 24 V AC - With using the TR-1AC/DC transformer 1000 m @ 100 mA 300 m @ 300 mA 180 m @ 500 mA • 28 V AC - With using the TR-1AC/DC transformer 1000 m @ 100 mA 450 m @ 300 mA 260 m @ 500 mA For 24V AC cameras • 24 V AC 236 m @ 100 mA / 22 V AC 79 m @ 300 mA / 22 V AC 47 m @ 500 mA / 22 V AC 34 m @ 700 mA / 22 V AC • 28 V AC 706 m @ 100 mA / 22 V AC 236 m @ 300 mA / 22 V AC 142 m @ 500 mA / 22 V AC 101 m @ 700 mA / 22 V AC	...	...	...	...
Network protocols	...	IPv4/IPv6, HTTP, HTTPS, IEEE 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour	...	...	...	...	...
WEB Server	...	Built-in, NVR compliance	...	...	...	...	...
Max. number of on-line users	...	20	...	...	...	...	...
ONVIF	...	16.12	...	...	...	...	...
Memory card slot	...	Micro SD memory cards up to 256GB support (possible local recording)	...	...	...	...	...
Main features	...	• WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • EIS - Electronic Image Stabilization • Parking action - this function enables to locate the camera to specific position automatically if operator doesn't operate the controller for some time • ROI - improve the quality of selected parts of image • F-DNR (Defog) - Reduction of image noise caused by precipitation • Configurable Privacy Zones - 24 • ICR - Movable InfraRed filter • BLC - Back Light Compensation • HLC - High Light Compensation (spot) • Sharpness - sharper image outlines • Mirror - Mirror image • Day/Night mode (color/b&w/auto) • Audio detection • Intelligent image analysis : crossing the line (tripwire), intrusion, detection of entry into the area / exit from the area, abandoned/missing object	...	...	...	• Extender also allows to extend an USB 2.0 port, eg. in order to control the recorder using the mouse • The devices do not require direct connection, they also operate via the LAN network • Audio transmission via network	...
Mobile phones support	...	Port no.: 8000 or access by a cloud (P2P) • Android: Free application iVMS-4500 or Hik-Connect • iOS (iPhone): Free application iVMS-4500 or Hik-Connect	...	...	...	...	...
Default IP address	...	192.168.1.64	...	...	...	...	...
Default admin user / password	...	admin / - The administrator password should be set at the first start	...	...	...	...	...
Web browser access ports	...	80	...	...	...	...	...
PC client access ports	...	Port no.: 8000 or access by a cloud (P2P) - iVMS-4200 application	...	...	...	...	...
Mobile client access ports	...	8000	...	...	...	...	...
Port ONVIF	...	80	...	...	...	...	...
RTSP URL	...	• Main stream rtsp://192.168.1.64:554/Streaming/Channels/101/ - RTSP - without authorization rtsp://user:password@192.168.1.64:554/Streaming/Channels/101/ - with authorization • Sub stream rtsp://192.168.1.64:554/Streaming/Channels/102/ - RTSP - without authorization rtsp://user:password@192.168.1.64:554/Streaming/Channels/102/ - with authorization	...	...	...	...	...
Power supply	...	• PoE (802.3at), • 12 V DC / 1.5 A	...	Compliance with PoE (802.3af/at) - 44 V ... 57 V DC	...	2 x 5 V DC / 1 A (power adapter included)	...
Power consumption	...	≤ 18 W

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Housing	...	Speed Dome Metal
Color	...	White
"Index of Protection"	...	IP66
Vandal-proof	...	—
Operation temp	...	-30 °C ... 65 °C	...	...	...	...	...
Weight	0.001 kg	2.03 kg	6.43 kg	0.11 kg	0.03 kg	0.166 kg	...
Dimensions	Ø 6.8 x 1.65 mm	Ø 180 x 240 mm	x 88 mm 340 x 395	87 x 77 x 25 mm	60 x 28 x 22 mm	110 x 89 x 26 mm - Transmitter or receiver dimensions	...
Supported languages	...	Polish, English, Bulgarian, Croatian, Czech, Danish, Estonian, Finnish, French, Greek, Spanish, Dutch, Lithuanian, Latvian, German, Norwegian, Portuguese, Russian, Romanian, Serbian, Slovak, Slovenian, Swedish, Turkish, Hungarian, Italian	...	...	...	...	...
Manufacturer / Brand	ENERGIZER	Hikvision	...	PULSAR	...	...	KLIMAS
SAP Code	...	301312136
Guarantee	2 years	3 years	2 years	2 years	2 years	2 years	2 years



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