



	SWITCH POE IP-8-20-H 8-PORT ATTE	IP CAMERA DS-2CD2323G2-IU(2.8MM)(DI ACUSENSE - 1080p Hikvision	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP DVR BCS-L- XVR0401-4KE-IV 4 CHANNELS BCS Line	AHD, HD-CVI, HD-TVI, PAL CAMERA BCS-B-TA15FSR4(2.0) - 5 Mpx 2.8 mm BCS BASIC
				
	302.64 EUR 302.64 EUR	224.52 EUR 224.52 EUR	228.13 EUR 228.13 EUR	31.25 EUR 31.25 EUR
Matrix size	...	2.1 Mpx	...	...
Standard	...	TCP/IP	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP	AHD, HD-CVI, HD-TVI, PAL
Video inputs	...	...	4 pcs BNC	...
LAN ports	• 2 x RJ45 10/100/1000 Base-TX - Uplink • 8 x RJ45 10/100 Base-TX + PoE (802.3af/at) / Passive PoE	...	...	...
Video outputs	...	...	1 pcs HDMI 4K 1 pcs VGA	...
Management	—	...	...	...
Audio inputs	...	...	1 pcs CINCH 4 Channels - Audio support via coaxial cable, HD-CVI only	...
LED diodes	Power, LAN	...	...	...
Audio outputs	...	...	1 pcs CINCH	...
S/N ratio	...	≥ 52 dB	...	...
Transmission speed	• 10 / 100 Mbps : 8 LAN & PoE ports • 10 / 100 / 1000 Mbps : 2 Port LAN	...	...	...
RS-485 interface	...	—	...	...
Memory card slot	...	Micro SD memory cards up to 256GB support (possible local recording)	...	...
Resolution	...	1920 x 1080 - 1080p , 1280 x 720 - 720p	...	2880 x 1620 - 5 Mpx - HD-CVI only : Aspect Ratio 16 : 9 , 2592 x 1944 - 5 Mpx - AHD / HD-TVI only , 2560 x 1440 - 4 Mpx , 1920 x 1080 - 1080p , 960 x 576 - 960H
Image compression method	...	H.265+ / H.265 / H.264+ / H.264 / MJPEG	AI Coding / H.265+ / H.265 / H.264+ / H.264	...
Sensor	...	1/2.8 " Progressive Scan CMOS	...	1/2.7 " Progressive Scan CMOS
Lens	...	2.8 mm	...	2.8 mm, F1.2
View angle	...	107 °	...	109 °
Range of IR illumination	...	30 m	...	40 m
IR illuminator power adjustment	...	...	...	Automatic
Maximal output power	• 40 W @ Passive PoE - 1 ... 8 ports, • 30 W @ PoE (802.3at) - 1 ... 8 ports, • 15.4 W @ PoE (802.3af) - 1 ... 8 ports	...	...	...
Audio	...	• Microphone built-in • Audio transmission via network • Compliance with the AAC standard • Noise suppression and echo cancellation	...	...
Maximal total power	96 W
Main stream frame rate	...	25 fps @ 1080p
Network interface	...	10/100 Base-T (RJ-45)

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WEB Server	...	Built-in
Max. number of on-line users	...	6
Video output	AHD / HD-CVI / HD-TVI / PAL, 1 Vpp / 75 Ω
ONVIF	...	✓	...	...
OSD menu	...	...	...	✓
Main features	<ul style="list-style-type: none"> • Pin numbers for RJ-45 connector : 1/2, 3/6 - Wires to data transmission ; 4/5, 7/8 - Power supply • Possibility to connecting in cascade • Efficiency : 92 % @ 90 W • Built-in switching power supply : 48 V DC / 96 W • PSU thermal protection • Short-circuit protection • Overload protection • TAMPER switch indicating open the cover • The ability to independently turn on and off the PoE power for each of the LAN 1 ... LAN 8 ports • Electronic fuse independently for each PoE channel • The modular design streamlines service tasks and enables quick and easy system expansion • The raster system of module assembly facilitates the expansion of the device by further modules • Main cable entries on the back of the enclosure • "Index of Protection" : IP20	...	...	...
Image records resolutions	...	...	<ul style="list-style-type: none"> • AHD / HD-CVI / HD-TVI : 8 Mpx - 3840 x 2160 , 4K-N - 1920 x 2160 , 6 Mpx - 2880 x 1920 - HD-CVI only , 5 Mpx - 2592 x 1944 , 4 Mpx - 2560 x 1440 , 4M-N - 1280 x 1440 , 3 Mpx - 2048 x 1536 - AHD / ... HD-TVI only , 1080p - 1920 x 1080 , 720p - 1280 x 720 • CVBS : 960H - 960 x 576 • IP : max. 8 Mpx - 3840 x 2160 	...
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



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RTSP URL	...	<ul style="list-style-type: none"> Main stream : rtsp://user:password@192.168.1.64:554/Streaming/Channels/101/ - with authorization Sub stream : rtsp://user:password@192.168.1.64:554/Streaming/Channels/102/ - with authorization
Recording speed adjustment	...	...	<ul style="list-style-type: none"> 8 Mpx IP @ 1 ... 25 fps 8 Mpx @ 1 ... 7 fps 4K-N @ 1 ... 15 fps 6 Mpx @ 1 ... 10 fps 5 Mpx @ 1 ... 12 fps 4 Mpx @ 1 ... 15 fps 4M-N @ 1 ... 25 fps 3 Mpx @ 1 ... 15 fps 1080p @ 1 ... 25 fps 720p @ 1 ... 25 fps 960H @ 1 ... 25 fps for each channel	...
Power consumption	...	<ul style="list-style-type: none"> ≤ 7.5 W @ PoE (802.3af) ≤ 6 W @ 12 V DC 	...	≤ 3.4 W
Operation modes	...	...	4 x AHD / HD-CVI / HD-TVI / CVBS / IP + 4 x IP	...
Housing	...	Dome, Metal	...	Compact, Metal
Recording modes	...	...	Manual, Motion Detection, Schedule	...
"Index of Protection"	...	IP67	...	IP67
Supported hard drives	...	...	1 x 16 TB SATA	...
Vandal-proof	...	—	...	...
External storage devices backup	...	...	Save single frames and whole records from DVR drive to the USB drive	...
Operation temp	...	-30 °C ... 60 °C	...	-30 °C ... 60 °C
Searching and playback the records	...	...	Records searching: by time + timeline with record type. Playback: forward, fast, slow, step Advanced searching (to the one second accuracy) All channels synchronous playback, Smart Search function 1/4 channel synchronous playback	...
Network functions	...	...	Full support via network, Remote records copying, Web-Server built-in max. 128 on-line users	...
USB	...	...	2 x USB 2.0	...
Mobile phones support	...	Port no.: 8000 or access by a cloud (P2P) <ul style="list-style-type: none"> Android: Free application Hik-Connect iOS: Free application Hik-Connect 	Port no.: 37777 or access by a cloud (P2P) <ul style="list-style-type: none"> Android: Free application BCS Manager iOS (iPhone): Free application BCS Manager 	...
Alarm inputs / outputs	...	—	—	...
PTZ control	IP Speed Dome Cameras Control compatible with coax PTZ HD-CVI RS-485 - PELCO-D/P	...
Motion Detection	Split the screen into zones : 22 x 18 motion zones	...



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Main features	...	<ul style="list-style-type: none"> • Camera from AcuSense series • WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • ROI - improve the quality of selected parts of image • SVC (Scalable Video Coding) - technology enabling the transfer of several sub-streams of different quality within one stream • EXIR - high-efficiency infrared LEDs technology, which evenly covers the whole plan of both central vantage points of the scene as well as the corners • Anti-Flicker - The technology eliminates the tiring eyes flickering image effect • NAS - Network Attached Storage support • ANR - Automatic Network Replenishment allows to save image to the card when the network connection with DVR is break (network failure) and next synchronize its • Day/night mode • ICR - Movable InfraRed filter • Auto White Balance • BLC/HLC - Back Light / High Light Compensation • AGC - Automatic Gain Control • Possibility to change the resolution, quality and bit rate • Sharpness - sharper image outlines • Configurable Privacy Zones • Vertical or horizontal image mirror • Filtering of false alarms based on the recognition of persons and vehicles • Smart motion detection (with recognizing people and vehicles) • Intelligent image analysis : crossing the line (tripwire), intrusion, detection of entry into the area / exit from the area - classification of people and vehicles, scene changing, face detection 	<ul style="list-style-type: none"> • Privacy zones - max. 4 • SMD PLUS - searching for an object classified as: human, motor vehicle, • POS - support the machines installed in the points of sales and displaying the date from them as overlaid text on selected channel window, • Intelligent image analysis : crossing the line (tripwire), intrusion - classification of people and vehicles, face detection 	<ul style="list-style-type: none"> • D-WDR - Wide Dynamic Range • DNR - Digital Noise Reduction • BLC - Back Light Compensation • HLC - High Light Compensation (spot) • Sharpness - sharper image outlines • AGC - Automatic Gain Control • White Balance - ATW/Manual • Day/night mode • ICR - Movable InfraRed filter • Mirror - Mirror image
Mouse support	...	...	✓	...
IR remote controller in the set	...	...	—	...
SAP Code	...	311319958	...	...
Power supply	180 ... 240 V AC - Built-in switching power supply	<ul style="list-style-type: none"> • PoE (802.3af), • 12 V DC / 500 mA 	12 V DC / 2 A (power adapter included)	12 V DC / 290 mA
Color	...	White	Black	White
Weight	4.33 kg	0.73 kg	0.9 kg	0.241 kg
Dimensions	400 x 450 x 140 mm	Ø 127 x 96 mm	260 x 240 x 48 mm, RACK 19", 1U	Ø 66 x 154 mm
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, Ukrainian, Hungarian, Italian	Polish, English	...
Manufacturer / Brand	ATTE	Hikvision	BCS Line	BCS BASIC
Guarantee	3 years	3 years	3 years	2 years