

	IP Vandal-Proof Camera DS-2CD2047GHT-L (Vandal-Proof) color @ 8.3 Mpx 4K UHD Motion-Tracking	IP Camera IPC-H1238B-ADP/BRC-1 (Vandal-Proof)	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP 2MP DS-7EDR8141KCS1P Channel-8 HiVision	IP Camera DS-2ED7201-AMMI Color-CVI, 8.3 Mpx HiVision	Camera Bracket HD-118 Black	Allen Screw Set M3x4x0.8 # 8	AHD, HD-CVI, HD-TVI, CVBS Camera DS-2CD2047GHT-L (Vandal-Proof) color @ 8.3 Mpx 4K UHD Motion-Tracking	AHD, HD-CVI, HD-TVI, CVBS Camera DS-2CD2047GHT-L (Vandal-Proof) color @ 8.3 Mpx 4K UHD Motion-Tracking	Vandal-Proof Camera DS-2CD2047GHT-L (Vandal-Proof) color @ 8.3 Mpx 4K UHD Motion-Tracking	
Size	71x 55 EUR 71x 55 EUR	289x 21 EUR 289x 21 EUR	141.86 EUR 141.86 EUR	660.83 EUR 660.83 EUR	11.66 EUR 11.66 EUR	0.21 EUR 0.21 EUR	66.01 EUR 66.01 EUR	31.26 EUR 31.26 EUR	66.19 EUR 66.19 EUR	
Body diameter					Ø 103 mm					
Material					Aluminum	Steel (galvanized)				
Strength class					B3					
Main features						IP66, IIC2 compliance				
Distance from mounting standard	TCPIP	TCPIP	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP	IP	52 mm		AHD / HD-CVI / HD-TVI / CVBS	AHD / HD-CVI / HD-TVI / CVBS	AHD / HD-CVI / HD-TVI / CVBS	
Watch size					6 mm					
Matrix size	8.3 Mpx	8.3 Mpx			15 mm				6 Mpx	
Channel length										
Video inputs			0 pcs BNC - AHD / HD-CVI / HD-TVI / CVBS							
Video outputs			1 pcs HDMI							
Audio inputs			1 pcs CVBS, Central audio - Audio from camera							
Audio outputs			1 pcs CVBS							
S/N ratio		≥ 53 dB								
IP address										
White light LED illuminator range	30 m	30 m		30 m						
Memory card slot	Micro SD memory cards up to 512GB support (possible local recording)	Micro SD memory cards up to 256GB support (possible local recording)		Micro SD card support up to 512GB						
Image compression method	H.265+ / H.265 / H.264+ / H.264 / MJPEG	H.265+ / H.265 / H.264+ / MJPEG	H.265 Pro+ / H.265 Pro / H.264+ / H.264	H.265+ / H.265 / H.264+ / H.264 / MJPEG						
Resolution	3840 x 2160 - 8.3 Mpx 4K UHD, 3200 x 1800 - 5.7 Mpx, 2560 x 1440 - 4 Mpx, 1920 x 1080 - 1080p, 1280 x 720 - 720p	3840 x 2160 - 8.3 Mpx 4K UHD, 3072 x 1728 - 5.3 Mpx, 2560 x 1440 - 3.7 Mpx, 1920 x 1080 - 1080p, 1280 x 720 - 720p		3840 x 2160 - 8.3 Mpx 4K UHD, 3200 x 1800 - 6 Mpx, 2560 x 1440 - 4 Mpx, 1920 x 1080 - 1080p, 1280 x 720 - 720p				+ 2880 x 1620 - 5 Mpx @ HD-TVI @ 25 fps + 2880 x 1620 - 5 Mpx @ HD-TVI @ 20 fps / 12.5 Mpx @ HD-CVI / HD-TVI @ 20 fps / 12.5 Mpx @ HD-CVI / HD-TVI @ 15 fps + 1920 x 1080 - 1080p @ HD-TVI @ 25 fps / 15 Mpx @ PAL / NTSC + 960 x 576 - 960H @ PAL / NTSC		2880 x 1620 - 5 Mpx @ HD-TVI @ 20 fps / 12.5 Mpx @ HD-CVI / HD-TVI @ 20 fps / 12.5 Mpx @ HD-CVI / HD-TVI @ 15 fps + 1920 x 1080 - 1080p @ HD-TVI @ 25 fps / 15 Mpx @ PAL / NTSC
IR illuminator support							ICR - Movable InfraRed filter		ICR - Movable InfraRed filter	
Sensor	1/3" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS		1/2.7" Progressive Scan CMOS			1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	
Lens	2.8 - 12 mm Motomoon	2.8 mm		4 mm			2.8 mm	2.8 mm	2.8 mm F1.85	
View angle	112° ... 41°	+112° (manufacturer data) +101° (our tests result)		88°			+ 85° (manufacturer data) + 82° (our tests result)	+ 109°	+ 101° @ HD-CVI / 90° @ AHD / HD-TVI (our tests result)	
Audio	+ External microphone input + Audio output + Bi-directional audio streaming support + Noise suppression and echo cancellation + Compliance with the AEC standard	+ Microphone built-in + Speaker built-in + Audio detection + Bi-directional audio streaming support								
Range of IR illumination	30 m	30 m		30 m			30 m	30 m	30 m	
IR illuminator power adjustment	IP	IP		IP			Automatic	Automatic	Automatic	
Main stream frame rate	25 fps @ 8.3 Mpx	20 fps @ 8.3 Mpx 25 fps @ 3 Mpx		25 fps @ 8.3 Mpx			AHD / HD-CVI / HD-TVI / CVBS, 1 Vpp / 75 Ω	AHD / HD-CVI / HD-TVI / CVBS, 1 Vpp / 75 Ω	AHD / HD-CVI / HD-TVI / CVBS, 1 Vpp / 75 Ω	
Video output							1 Vpp / 75 Ω	1 Vpp / 75 Ω	1 Vpp / 75 Ω	
OSD menu							OSD menu available via recorder	OSD menu available via recorder	OSD menu available via recorder	
Intelligent image analysis										
Mechanical protection class										
WEB Server	Built-in	Built-in		Built-in, NVR compliance						
Max number of online users	32	32		6						
ONVIF	✓	✓		✓						
Image records resolution			+ HD-TVI: 4M-N: 1280 x 1440 3 Mpx: 1920 x 1080 - Channel 1 / 2 1080p: 1920 x 1080 1080i: 960 x 1080 720p: 1280 x 720  + AHD: 4M-N: 1280 x 1440 1080p: 1920 x 1080 1080i: 960 x 1080 720p: 1280 x 720  + HD-CVI: 4M-N: 1280 x 1440 1080p: 1920 x 1080 1080i: 960 x 1080 720p: 1280 x 720  + CVBS: 960H: 960 x 576  + IP: max. 6 Mpx - 3072 x 2048							
Recording speed adjustment										
Operation modes										
Recording modes										
Supported hard drives										
External storage devices backup										
Searching and playback the records										
Main features	+ Smart Hybrid Light / ColorX technology - IR or LED illuminator works in night mode. White light will turn on automatically only when an object is detected in the monitored area, which effectively improves image quality + Maximum lens + Possibility to turn off the LED illuminator + HDR - Wide Dynamic Range + 3D-DNR - Digital Noise Reduction + BLC - Back Light Compensation + HLC - High Light Compensation + NAS - Network Attached Storage support - allows to connect various resources directly to the computer network + ANR - Automatic Network Replenishment allows to save image to the card when the network connection with DVR is broken (network failure) and auto synchronize it + NAS - Network Attached Storage support - allows to connect various resources directly to the computer network + ANR - Automatic Network Replenishment allows to save image to the card when the network connection with DVR is broken (network failure) and auto synchronize it + Possibility to change the resolution, quality and bit rate + Horizontal mirror image + Configurable Privacy Zones + Sharpness - sharper image outlines + Video tampering + 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	+ WDR - 120 dB - Wide Dynamic Range + 2D-DNR - 3D-DNR - Digital Noise Reduction + F-DNR (Defog) - Reduction of image noise caused by precipitation + ROI - improve the quality of selected parts of image + ANR - Automatic Network Replenishment allows to save image to the card when the network connection with DVR is broken (network failure) and auto synchronize it + NAS - Network Attached Storage support + Light and sound alarm + Curved mode - useful for monitoring corridors, entrance gates and narrow rooms + HLC/HLC - Back Light / High Light Compensation + Possibility to change the resolution, quality and bit rate + Mirror - Mirror image + Privacy zones - max. 4 + Sharpness - sharper image outlines + 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, face detection, people counting, crowd gathering estimation	+ Intrusion + Face detection + Scene changing + Classification of people and vehicles + Detection of entry into the area / exit from the area + Crossing the line (tripwire)	+ WDR - 130 dB - Wide Dynamic Range + 3D-DNR - Digital Noise Reduction + ROI - improve the quality of selected parts of image + ANR - Automatic Network Replenishment allows to save image to the card when the network connection with DVR is broken (network failure) and auto synchronize it + NAS - Network Attached Storage support + SWS (Scalable Video Coding) technology enabling the transfer of several sub-streams of different quality within one stream + HLC/HLC - Back Light / High Light Compensation + Auto White Balance + ACC - Automatic Gain Control + Sharpness - sharper image outlines + Configurable Privacy Zones + Smart motion detection (with recognizing people and vehicles) + Filtering of false alarms based on the recognition of persons and vehicles + Possibility to turn off the LED illuminator	+ D-WDR - Wide Dynamic Range + 2D-DNR - Digital Noise Reduction + F-DNR - Digital Noise Reduction + BLC - Back Light Compensation + HLC - High Light Compensation + ACC - Automatic Gain Control + BLC - Back Light Compensation (up to 4) + Auto White Balance + Mirror - Mirror image + Sharpness - sharper image outlines	+ D-WDR - Wide Dynamic Range + 2-DNR - Digital Noise Reduction + BLC - Back Light Compensation + HLC - High Light Compensation (up to 4) + ACC - Automatic Gain Control + Auto White Balance + Mirror - Mirror image + Auto White Balance + Dynamic mode + Privacy zones				
Network interface	10/100 Base-T (RJ-45)	10/100 Base-T (RJ-45)		10/100 Base-TX 1.0 RJ-45 - 10/100 Base-TX 1.0 RJ-45			10/100 Base-T (RJ-45)	10/100 Base-T (RJ-45)	10/100 Base-T (RJ-45)	
Network functions										
Power consumption	≤ 18 W @ PVE ≤ 14.5 W @ 12 V DC	≤ 10.5 W		≤ 9.5 W @ PVE (802.3ab) ≤ 6.2 W @ 12 V DC			≤ 4.3 W	≤ 3.4 W	≤ 4.2 W	

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Składowanie	Compact_Metal	Compact_Metal + Plastic	Compact_Aluminum	Compact_Aluminum	Compact_Aluminum	Compact_Aluminum	Dome_Metal	Dome_Metal	Dome_Metal	
Index of Protection*	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	
Weather proof	R19	—	—	—	—	—	—	—	—	
Operation temp	30 °C ... 60 °C	30 °C ... 60 °C	30 °C ... 60 °C	30 °C ... 60 °C	30 °C ... 60 °C	30 °C ... 60 °C	40 °C ... 60 °C	40 °C ... 60 °C	40 °C ... 60 °C	
Network protocols	IPv4/IPv6, ICMP, ICMP ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, SIP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, IEEE 802.1x, SNMP, J253E / TLS, SSH	IPv4/IPv6, ICMP, ICMP ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, SIP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, IEEE 802.1x, SNMP, J253E / TLS, SSH	TCP/IP, PPPoE, DHCP, HiK-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP, HTTPS, ONVIF	—	—	—	—	—	—	—
Mobile phones support	Port no.: 8000 or access by a cloud (P2P) • Android: Free application <a href="#">HiK-Connect</a> • iOS: Free application <a href="#">HiK-Connect</a>	Access by a cloud (P2P) • Android: Free application <a href="#">HiK-Connect</a> • iOS (iPhone): Free application <a href="#">HiK-Connect</a>	Port no.: 8000 or access by a cloud (P2P) • Android: Free application <a href="#">HiK-Connect</a> • iOS: Free application <a href="#">HiK-Connect</a>	Port no.: 8000 or access by a cloud (P2P) • Android: Free application <a href="#">HiK-Connect</a> • iOS: Free application <a href="#">HiK-Connect</a>	Port no.: 8000 or access by a cloud (P2P) • Android: Free application <a href="#">HiK-Connect</a> • iOS: Free application <a href="#">HiK-Connect</a>	Port no.: 8000 or access by a cloud (P2P) • Android: Free application <a href="#">HiK-Connect</a> • iOS: Free application <a href="#">HiK-Connect</a>	—	—	—	
Default admin user / password	admin / - The administrator password should be set at the first start	admin / 123456	admin / - The administrator password should be set at the first start	admin / - The administrator password should be set at the first start	admin / - The administrator password should be set at the first start	admin / - The administrator password should be set at the first start	—	—	—	
Default IP address	192.168.1.64	DHCP or 192.168.1.13	DHCP or 192.168.1.64	192.168.1.64	192.168.1.64	192.168.1.64	—	—	—	
Web browser access ports	80	80, 554	80	80	80	80	—	—	—	
PC client access ports	Port no.: 8000 or access by a cloud (P2P) - VMS-4200 application	Port no.: 80 or access by a cloud (P2P) PC: Free application <a href="#">EZStation</a>	194 RTSP, 8000	—	—	—	—	—	—	
Mobile client access ports	8000	8000	8000	8000	8000	8000	—	—	—	
Port ONVIF	80	80	80	80	80	80	—	—	—	
RTSP URL	• Main stream : http://user:password@192.168.1.64:554/Streaming/Channels/101 • Sub stream : http://user:password@192.168.1.64:554/Streaming/Channels/102	http://192.168.1.13:554/unicast/1/0/0/0 Main stream http://192.168.1.13:554/unicast/1/1/0/0 Sub stream	http://user:password@192.168.1.64:554/Streaming/Channels/channel_001 Main stream http://user:password@192.168.1.64:554/Streaming/Channels/channel_002 Sub stream	—	—	—	• Main stream : http://user:password@192.168.1.64:554/Streaming/Channels/101 • Sub stream : http://user:password@192.168.1.64:554/Streaming/Channels/102	—	—	
Alarm inputs / outputs	1 / 1	—	—	—	—	—	—	—	—	
PTZ control	—	—	Control compatible with most HD-TVI Hikvision	—	—	—	—	—	—	
Motion Detection	—	—	Split the screen into zones: 22 x 11 motion zones	—	—	—	—	—	—	
USB	—	—	2 ports USB 2.0	—	—	—	—	—	—	
Remote support	—	—	—	—	—	—	—	—	—	
IR remote controller in the set	—	—	—	—	—	—	—	—	—	
Power supply	• PSE (802.3af) • 12 V DC / 1.2 A	• PSE (802.3af) • 12 V DC / 880 mA	12 V DC / 1.5 A (power adapter included)	• PSE (802.3af) • 12 V DC / 700 mA	—	—	12 V DC / 340 mA	12 V DC / 283 mA	12 V DC / 330 mA	
Case	White	White	White	Black	Black	Black	White	White	White	
Weight	0.22 kg	0.22 kg	0.22 kg	0.29 kg	0.29 kg	0.29 kg	0.29 kg	0.33 kg	0.33 kg	
Dimensions	88 x 98 x 96 mm	191.75 x 74 mm	210 x 200 x 48 mm	80 105 x 290 mm	80 101 x 52 mm	80 101 x 52 mm	80 111 x 68 mm	80 111 x 98 mm	80 110 x 81 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, Hungarian, Italian	Polish, English, Czech, Spanish, French, German, Norwegian, Slovak, Hungarian, Italian	Polish, English, Bulgarian, Croatian, Czech, Danish, Estonian, Greek, Spanish, Dutch, German, Norwegian, Portuguese, Russian, Romanian, Serbian, Slovak, Slovenian, Swedish, Turkish, Hungarian, Italian	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, French, Spanish, German, Portuguese, Russian, Italian	
Manufacturer / Brand	Hikvision	UNV/IVR	Hikvision	Hikvision	Hikvision	Hikvision	Hikvision	BCS BASIC	DAHUA	
SAP Code	111323998	300228918	311314691	—	—	—	H00619623	—	—	
Warranty	3 years	3 years	3 years	3 years	3 years	3 years	3 years	3 years	3 years	



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