




	IP CAMERA DS-2CD1472H-LIU(2.8MM)PL ColorVu - 4 Mpx Hikvision	IP SPEED DOME CAMERA OUTDOOR SD8A840-HNF-PA - 8.3 Mpx, 4K UHD, 5.6... 223 mm DAHUA	IP SPEED DOME CAMERA OUTDOOR IPC6612SR-X33-VG LightHunter - 1080p 4.5...148.5 mm UNIVIEW
			
	179.85 GBP 179.85 GBP	3816.62 GBP 3816.62 GBP	1377.33 GBP 1377.33 GBP
Standard	IP	TCP/IP	TCP/IP
Matrix size	...	8.3 Mpx	2.1 Mpx
Sensor	1/3 " Progressive Scan CMOS	1/1.8 " STARVIS™ CMOS	1/2.8 " Progressive Scan CMOS
White light LED illuminator range	50 m
Resolution	2560 x 1440 - 4 Mpx , 1920 x 1080 - 1080p 1280 x 720 - 720p	3840 x 2160 - 8.3 Mpx, 4K UHD , 2560 x 1440 - 4 Mpx , 1920 x 1080 - 1080p , 1280 x 960 - 1.3 Mpx , 1280 x 720 - 720p	1920 x 1080 - 1080p , 1280 x 960 1.3 Mpx , 1280 x 720 720p
Scanning system	...	Progressive	...
Lens	2.8 mm	5.6 ... 223 mm	4.5 ... 148.5 mm
View angle	115 °	63.9 ° ... 2.0 ° (manufacturer data)	56 ° ... 2.6 °
Interface	10/100 Base-T (RJ-45)
Optical zoom	...	x 40	x 33
Digital zoom	...	x 16	—
Range of IR illumination	50 m	500 m	150 m
S/N ratio	...	≥ 55 dB (AGC off)	...
Video output	...	1 Vpp / 75 Ω	—
Preset rotation speed	...	• 240 °/s (horizontal) • 120 °/s (vertical)	• 180 °/s (horizontal) • 80 °/s (vertical)
Rotation speed (manual control)	...	• 0.1 °/s ... 240 °/s (horizontal) • 0.1 °/s ... 100 °/s (vertical)	• 2 °/s ... 75 °/s (horizontal) • 2 °/s ... 75 °/s (vertical)
Horizontal rotation range	...	360 ° continuous	360 ° - continuous
Vertical rotation range	...	-30 ° ... 90 °	-15 ° ... 90 °
RS-485 interface	...	✓	✓
Protocols	...	Pelco-D, Pelco-P, DH-SD Auto detection	...
Number of presets	...	300	1024
Horizontal scan	...	✓	✓
Route settings	...	8	16
Image compression method	H.265+ / H.265 / H.264+ / H.264 / MJPEG	H.265+ / H.265 / H.264+ / H.264 / MJPEG	Ultra H.265 / H.265 / H.264 / MJPEG
Bitrate	...	• 512 ... 16384 kbps - H.264 • 512 ... 10240 - H.265	...
Alarm inputs / outputs	—	7 / 2	2 / 1
Audio	• Microphone built-in, • Audio transmission via network	• 1 Audio input • 1 Audio output • Bi-directional audio streaming support	• External microphone input • Audio output • Bi-directional audio streaming support • Audio detection
Main stream frame rate	20 fps @ 4 Mpx	1 ... 25 fps - 8 Mpx	25 fps @ 1080p
Network interface	...	10/100 Base-T (RJ-45)	10/100 Base-T (RJ-45)
Mechanical protection class	—
SAP Code	311327308
Network protocols	...	IPv4/IPv6, HTTP, HTTPS, IEEE 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, ARP, RTCP, RTMP	...
WEB Server	Built-in	Built-in, NVR compliance	Built-in
Max. number of on-line users	6	20	32
ONVIF	✓	✓	✓
Mobile phones support	Port no.: 8000 or access by a cloud (P2P) • Android: Free application Hik-Connect • iOS: Free application Hik-Connect	Port no.: 37777 or access by a cloud (P2P) • Android: Free application DMSS • iOS (iPhone): Free application DMSS	Port 37777 • Android: Free application EZView • iOS (iPhone): Free application EZView
Default IP address	192.168.1.64	192.168.1.108	DHCP or 192.168.1.13
Default admin user / password	admin / - The administrator password should be set at the first start	admin / -	admin / 123456
Web browser access ports	80	80, 37777	80, 554
PC client access ports	Port no.: 8000 or access by a cloud (P2P) - iVMS-4200 application	37777	Port no.: 80 or access by a cloud (P2P) - PC: Free application EZStation
Mobile client access ports	8000	37777	80
Port ONVIF	80	80	80
RTSP URL	• Main stream : rtsp://user:password@192.168.1.64:554/Streaming/Channels/101/ • Sub stream : rtsp://user:password@192.168.1.64:554/Streaming/Channels/102/	rtsp://admin:haslo@192.168.1.108:554/cam/realmonitor?channel=1&subtype=0 - Main stream rtsp://admin:haslo@192.168.1.108:554/cam/realmonitor?channel=1&subtype=1 - Sub stream	rtsp://192.168.1.13:554/unicast/c1/s0/live - Main stream rtsp://192.168.1.13:554/unicast/c1/s1/live - Sub stream

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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)
Main features	<ul style="list-style-type: none"> • Smart Hybrid Light / ColorVu 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 • WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • ROI - improve the quality of selected parts of image • BLC - Back Light Compensation • HLC - High Light Compensation (spot) • Possibility to change the resolution, quality and bit rate • Horizontal mirror image • Smart motion detection (with recognizing people and vehicles) • Configurable Privacy Zones • Sharpness - sharper image outlines • video tampering • Filtering of false alarms based on the recognition of persons and vehicles 	<ul style="list-style-type: none"> • WDR - 120 dB - Wide Dynamic Range • 2D-DNR, 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • BLC/HLC - Back Light / High Light Compensation • ROI - improve the quality of selected parts of image • Day/Night mode (color/b&w/auto) • ICR - Movable InfraRed filter • WB - White Balance (ATW/AWB/manual/indoor/outdoor) • Motion Detection • Configurable Privacy Zones - 24 • AGC - Automatic Gain Control • Sharpness - sharper image outlines • Lens wiper remotely controlled via TCP/IP • IVS analysis : Intelligent Object Tracking, crossing the line (tripwire), intrusion, abandoned/missing object, scene changing, Face recognition, metadata support, classification of people and vehicles, Filtering of false alarms based on the recognition of persons and vehicles (tripwire, intrusion) 	<ul style="list-style-type: none"> • Intelligent Object Tracking • WDR - 120 dB - Wide Dynamic Range • 2D-DNR, 3D-DNR - Digital Noise Reduction • ROI - improve the quality of selected parts of image • F-DNR (Defog) - Reduction of image noise caused by precipitation • 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 • NAS - Network Attached Storage support - allows to connect memory resources directly to the computer network • BLC/HLC - Back Light / High Light Compensation • Day/night mode • ICR - Movable InfraRed filter • Auto White Balance • Configurable Privacy Zones - 24 • Motion Detection • Tamper signaling • Image rotation and mirror • Adaptive adjusting of the IR illuminator power to the lens zoom and outdoor light conditions • Overvoltage protection : 6 kV • Filtering of false alarms based on the recognition of persons and vehicles • Intelligent image analysis : crossing the line (tripwire), intrusion, detection of entry into the area / exit from the area
Power supply	<ul style="list-style-type: none"> • PoE (802.3af), • 12 V DC / 570 mA 	<ul style="list-style-type: none"> • Hi-PoE, • 36 V DC / 2.23 A (power adapter included) 	<ul style="list-style-type: none"> • PoE (802.3at), • 12 V DC / 3 A (power adapter included)
Power consumption	<ul style="list-style-type: none"> • ≤ 8.3 W @ PoE • ≤ 6.8 W @ 12 V DC 	<ul style="list-style-type: none"> • 30 W • 48 W (LED IR) 	≤ 25 W
Housing	Compact, Metal	Speed Dome Metal	Speed Dome, Metal + Plastic
Color	White	White	White + Black
Vandal-proof	...	—	—
"Index of Protection"	IP67	IP67	IP66
Operation temp	-30 °C ... 60 °C	-40 °C ... 70 °C	-40 °C ... 65 °C
Weight	0.41 kg	10 kg (without bracket)	3.5 kg
Dimensions	202 x 84 x 81 mm	Ø 262 x 416 mm (without bracket)	Ø 220 x 370 mm
Supported languages	Polish	English	Polish, English, Czech, French, Spanish, Dutch, German, Portuguese, Slovenian, Hungarian, Italian
Manufacturer / Brand	Hikvision	DAHUA	UNIVIEW
Guarantee	3 years	5 years	2 years

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