





	IP CAMERA DS-2CD1321-I(2.8MM)FI - 1080p Hikvision	IP CAMERA IPC2122LE-ADF28KMC-WL-BLACK ColorHunter - 1080p 2.8 mm UNIVIEW	IP SPEED DOME CAMERA OUTDOOR SD4A425DB-HNY WizSense - 3.7 Mpx 5 ... 125 mm DAHUA	LITHIUM BATTERY BAT-LS14500/CNA 3.6 V SAFT
				
	101.67 USD 101.67 USD	159.79 USD 159.79 USD	1001.07 USD 1001.07 USD	5.60 USD 5.60 USD
Rated voltage	...	...	...	3.6 V
Standard	TCP/IP	TCP/IP	TCP/IP	...
Sensor	1/2.7 " Progressive Scan CMOS	1/2.8 " Progressive Scan CMOS	1/2.8 " STARVIS™ CMOS	...
Scanning system	Progressive	...	...	...
Type (size)	...	...	...	R6 / AA with axial leads
Matrix size	2.1 Mpx	2.1 Mpx	4 Mpx	...
Main features	...	...	...	<ul style="list-style-type: none"> • Very long operation time, • Operation temp : -40 °C ... 60 °C, • Holds power for up to 20 years of shelf life, • Leak-proof construction
S/N ratio	...	> 52 dB	...	...
Resolution	1920 x 1080 - 1080p 1280 x 720 - 720p	1920 x 1080 - 1080p , 1280 x 720 - 720p	2560 x 1440 - 3.7 Mpx , 2304 x 1296 - 3 Mpx , 1920 x 1080 1080p , 1280 x 960 1.3 Mpx , 1280 x 720 - 720p	...
Lens	2.8 mm	2.8 mm	5 ... 125 mm	...
Bitrate	32 ... 8192 kbps - H.264	...	...	...
View angle	<ul style="list-style-type: none"> • 105 ° (manufacturer data) • 109 ° (our tests result) 	<ul style="list-style-type: none"> • 107 ° (manufacturer data) • 101 ° (our tests result) 	<ul style="list-style-type: none"> • 52 ° ... 3 ° (manufacturer data) • 50 ° ... 3.5 ° (our tests result) 	...
Optical zoom	...	...	25x	...
Digital zoom	...	...	16x	...
Range of IR illumination	30 m	30 m	100 m	...
White light LED illuminator range	...	30 m	—	...
Video output	...	...	—	...
Rotation speed (manual control)	...	...	0.1 °/s ... 240 °/s (horizontal) 0.1 °/s ... 160 °/s (vertical)	...
Preset rotation speed	...	...	max. 240 °/s (horizontal) max. 160 °/s (vertical)	...
Horizontal rotation range	...	...	360 ° - continuous	...
Vertical rotation range	...	...	-5 ° ... 90 °	...
RS-485 interface	...	—	—	...
Number of presets	...	...	300	...
Horizontal scan	...	...	—	...
Route settings	...	...	—	...
Image compression method	H.264+ / H.264 / MJPEG	Ultra 265 / H.265 / H.264 / MJPEG	H.265+ / H.265 / H.264+ / H.264 / MJPEG	...
Alarm inputs / outputs	—	—	—	...
Main stream frame rate	25 fps @ 1080p	25 fps @ 1080p	25 fps - 4 Mpx	...
Memory card slot	—	Micro SD memory cards up to 128GB support (possible local recording)	Micro SD memory cards up to 512GB support (possible local recording)	...
Network interface	10/100 Base-T (RJ-45)	10/100 Base-T (RJ-45)	10/100 Base-T (RJ-45)	...
Network protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IGMP, IEEE 802.1x, QoS, IPv6, Bonjour	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, SSL, SNMP	UDP, FTP, RTMP, IPv4/IPv6, Bonjour, DNS, RTCP, PPPoE, NTP, RTP, IEEE 802.1x, HTTPS, SNMP, TCP/IP, DDNS, UPnP, NFS, ICMP, UDP, IGMP, HTTP, SSL, DHCP, SMTP, QoS, RTSP, ARP, SAMBA, P2P, Multicast	...
WEB Server	Built-in	Built-in	Built-in, NVR compliance	...
Max. number of on-line users	6	32	20	...
ONVIF	✓	✓	21.12	...
SAP Code	311316018	...	...	...
Audio	—	<ul style="list-style-type: none"> • Microphone built-in • Speaker built-in • Audio detection • Bi-directional audio streaming support 	<ul style="list-style-type: none"> • External microphone input, • Audio output • Audio detection • Bi-directional audio streaming support • Compliance with the AAC standard 	...
Vandal-proof	—	—	—	...
Mobile phones support	<ul style="list-style-type: none"> Port no.: 8000 or access by a cloud (P2P) • Android: Free application Hik-Connect • iOS: Free application Hik-Connect 	<ul style="list-style-type: none"> Access by a cloud (P2P) • Android: Free application EZView • iOS (iPhone): Free application EZView 	<ul style="list-style-type: none"> Port 37777 • Android: Free application DMSS • iOS (iPhone): Free application DMSS 	...
Default admin user / password	admin / -	admin / 123456	admin / - The administrator password should be set at the first start	...
Default IP address	192.168.1.64	DHCP or 192.168.1.13	192.168.1.108	...
Web browser access ports	80	80, 554	80, 37777	...
PC client access ports	Port no.: 8000 or access by a cloud (P2P) - iVMS-4200 application	Port no.: 80 or access by a cloud (P2P) - PC: Free application EZStation	37777	...
Mobile client access ports	8000	80	37777	...
Port ONVIF	80	80	80	...
RTSP URL	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> rtsp://192.168.1.13:554/unicast/c1/s0/live - Main stream rtsp://192.168.1.13:554/unicast/c1/s1/live - Sub stream 	<ul style="list-style-type: none"> 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 	...

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Main features	<ul style="list-style-type: none"> • 3D-DNR - Digital Noise Reduction • 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 • D-WDR - Wide Dynamic Range • ROI - improve the quality of selected parts of image • BLC - Back Light Compensation • Possibility to change the resolution, quality and bit rate • Mirror - Mirror image • Motion Detection • Configurable Privacy Zones • Sharpness - sharper image outlines 	<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 • 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 break (network failure) and next synchronize its • NAS - Network Attached Storage support • Corridor mode - useful for monitoring corridors, entrance gates and narrow rooms • BLC/HLC - Back Light / High Light Compensation • Possibility to change the resolution, quality and bit rate • Mirror - Mirror image • Privacy zones - max. 4 • Motion Detection - max. 4 zones • Sharpness - sharper image outlines • Intelligent image analysis : intrusion, crossing the line (tripwire) (human silhouette) 	<ul style="list-style-type: none"> • WDR - 120 dB - Wide Dynamic Range • 2-DNR, 3-DNR - Digital Noise Reduction • Day/night mode • BLC - Back Light Compensation • HLC - High Light Compensation (spot) • ICR - Movable InfraRed filter • The camera is equipped with a built-in heater with a thermostat • Motion Detection • Configurable Privacy Zones • Mirror - Mirror image • Smart motion detection (with recognizing people and vehicles) • IVS analysis : intrusion, crossing the line (tripwire), entering the marked area, abandoned/missing object, fast moving, parking detection, detection of people gathering, loitering detection 	...
Power supply	<ul style="list-style-type: none"> • PoE (802.3af), • 12 V DC / 400 mA 	<ul style="list-style-type: none"> • PoE (802.3af), • 12 V DC / 750 mA 	<ul style="list-style-type: none"> • PoE (802.3at), • 12 V DC / 2 A (power adapter included) 	...
Power consumption	<ul style="list-style-type: none"> ≤ 5 W @ 12 V DC ≤ 6.5 W @ PoE (802.3af) 	<ul style="list-style-type: none"> ≤ 9 W 	<ul style="list-style-type: none"> ≤ 21.5 W 	...
Housing	Dome, Aluminum + Plastic	Compact, Metal + Plastic	Speed Dome, Plastic	...
Color	White	Black	White + Black	...
"Index of Protection"	IP67	IP67	IP66	...
Operation temp	-30 °C ... 60 °C	-30 °C ... 60 °C	-40 °C ... 65 °C	...
Weight	0.37 kg	0.42 kg	2.4 kg	0.018 kg
Dimensions	Ø 110 x 93 mm	191 75 x 74 mm	Ø 171 x 170 mm	...
Supported languages	English, Ukrainian	Polish, English, Czech, Spanish, Dutch, French, German, Portuguese, Slovak, Hungarian, Italian	Polish, English, Czech, French, Spanish, Dutch, Indonesian (Bahasa), German, Portuguese, Russian, Romanian, Turkish, Ukrainian, Hungarian, Vietnamese, Italian	...
Manufacturer / Brand	Hikvision	UNIVIEW	DAHUA	SAFT
Guarantee	3 years	3 years	5 years	2 years



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