



	IP CAMERA DH-IPC-HFW8231EP-ZH - 1080p 2.7... 12 mm - MOTOZOOM DAHUA	IP CAMERA DS-2CD2322WD-I(2.8mm) - 1080p Hikvision
		
	510.66 EUR 510.66 EUR	188.02 EUR 188.02 EUR
Standard	TCP/IP	TCP/IP
Sensor	1/2.8 " Progressive Scan Exmor CMOS	1/2.8 " Progressive Scan CMOS
Scanning system	...	Progressive
Matrix size	2.1 Mpx	2.1 Mpx
Resolution	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
Lens	2.7 ... 12 mm - Motozoom	2.8 mm
Image compression method	...	H.264+ / H.264 / MJPEG
View angle	<ul style="list-style-type: none"> • 101 ° ... 36 ° (manufacturer data) • 101 ° ... 35 ° (our tests result) 	<ul style="list-style-type: none"> • 109 ° (manufacturer data) • 112 ° (our tests result)
Compression	H.265 / H.264 / MJPEG	...
S/N ratio	> 50 dB	> 50 dB
Range of IR illumination	50 m	30 m
Alarm inputs / outputs	2 / 1	—
Bitrate	<ul style="list-style-type: none"> • 24 ... 10240 kbps - H.265 • 14 ... 6144 kbps - H.264 	24 ... 16384 kbps - H.264
Main stream frame rate	50 fps @ 1080p	25 fps @ 1080p
Network interface	100/1000 Base-T (RJ-45)	10/100 Base-T (RJ-45)
Audio	<ul style="list-style-type: none"> • External microphone input • Audio output • Bi-directional audio streaming support • Audio detection 	—
Network protocols	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPoE, DDNS, FTP, IP Filter, QoS, Bonjour	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, IEEE 802.1x, QoS, IPv6, Bonjour
WEB Server	Built-in, NVR compliance	Built-in
Memory card slot	Micro SD memory cards up to 128GB support (possible local recording)	—
Max. number of on-line users	20	6
ONVIF	2.42	2.6
RS-485 interface	—	...
Mobile phones support	Port no.: 37777 or access by a cloud (P2P) <ul style="list-style-type: none"> • Android: Free application DMSS, Android: Free application IMOJ • iOS (iPhone): Free application DMSS, iOS (iPhone): Free application IMOJ 	Port no.: 8000 or access by a cloud (P2P) <ul style="list-style-type: none"> • Android: Free application iVMS-4500 or Hik-Connect • iOS (iPhone): Free application iVMS-4500 or Hik-Connect
Default IP address	192.168.1.108	192.168.1.64
Default admin user / password	admin / admin	admin / -
Web browser access ports	80, 37777	80
PC client access ports	37777	Port no.: 8000 or access by a cloud (P2P) - iVMS-4200 application
Mobile client access ports	37777	8000
Port ONVIF	80	80
RTSP URL	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	<ul style="list-style-type: none"> • 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
Vandal-proof	...	—

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Main features	<ul style="list-style-type: none"> • The camera is equipped with a built-in heater with a thermostat, • WDR - 140 dB - Wide Dynamic Range, • 3D-DNR - Digital Noise Reduction, • ROI - improve the quality of selected parts of image • F-DNR (Defog) - Reduction of image noise caused by precipitation • EIS - Electronic Image Stabilization • ICR - Movable InfraRed filter • D-ZOOM - Digital Zoom • WB - White Balance (ATW/AWB/manual/indoor/outdoor) • BLC - configurable Back Light Compensation • HLC - High Light Compensation (spot) • Day/Night mode (color/b&w/auto) • Audio detection • Heat map - the selection in the image by corresponding colors the areas with different traffic • IVS analysis : crossing the line (tripwire), intrusion, abandoned/missing object, face detection, people counting • Motion Detection • Configurable Privacy Zones • Mirror - Mirror image • Sharpness - sharper image outlines 	<ul style="list-style-type: none"> • 3D-DNR - Digital Noise Reduction • WDR - 120 dB - Wide Dynamic Range • 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 • BLC - Back Light Compensation • Possibility to change the resolution, quality and bit rate • Image analysis : Motion Detection, intrusion, crossing the line (tripwire) • ROI - improve the quality of selected parts of image • Configurable Privacy Zones • Mirror - Mirror image
Color	White	White
Power supply	<ul style="list-style-type: none"> • PoE (802.3at), • 12 V DC / 1080 mA 	<ul style="list-style-type: none"> • PoE (802.3af), • 12 V DC / 620 mA
Power consumption	< 13 W	≤ 7.5 W
Housing	Compact, Metal / Plastic	Dome, Aluminum / Plastic
"Index of Protection"	IP66	IP67
Operation temp	-40 °C ... 60 °C	-30 °C ... 60 °C
Weight	1.17 kg	0.56 kg
Dimensions	274 x 95 x 95 mm	Ø 127 x 98 mm
Supported languages	English, Polish	English, Bulgarian, Chinese, Croatian, Czech, Danish, Estonian, Finnish, French, Greek, Spanish, Dutch, Japanese, Korean, Lithuanian, Latvian, German, Norwegian, Polish, Portuguese, Russian, Romanian, Serbian, Slovak, Slovenian, Swedish, Turkish, Hungarian, Vietnamese, Italian
Manufacturer / Brand	DAHUA	Hikvision
SAP Code	...	300807998
Guarantee	3 years	3 years

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