




	<a href="#">IP CAMERA IPC2314SB-ADF40KM-I0-4 Mpx 4 mm UNIVIEW</a>	<a href="#">IP CAMERA IPC-HFW1431S-0280B-S4 4 Mpx 2.8 mm DAHUA</a>	<a href="#">IP CAMERA APTI-AI507C3-28WP-5 Mpx 2.8 mm</a>
			
	259.16 EUR 259.16 EUR	154.25 EUR 154.25 EUR	66.76 EUR 66.76 EUR
Standard	TCP/IP	TCP/IP	TCP/IP
Sensor	1/2.7 " Progressive Scan CMOS	1/3 " Progressive Scan CMOS	1/2.8 " SONY Starvis™ Back-illuminated CMOS
Matrix size	4 Mpx	4 Mpx	5 Mpx
Scanning system	...	Progressive	...
Resolution	2688 x 1520 - 4 Mpx , 2560 x 1440 - 3.7 Mpx , 2304 x 1296 - 3 Mpx , 1920 x 1080 - 1080p	2688 x 1520 - 4 Mpx , 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	2592 x 1944 - 5 Mpx , 2560 x 1440 - 3.7 Mpx , 1920 x 1080 - 1080p , 1280 x 720 - 720p
Lens	4 mm	2.8 mm	2.8 mm
S/N ratio	> 56 dB	...	...
View angle	• 84 ° (manufacturer data) • 80 ° (our tests result)	• 93 ° (manufacturer data) • 94 ° (our tests result)	• 99 ° (manufacturer data) • 94 ° (our tests result)
Range of IR illumination	80 m	30 m	25 m
Memory card slot	Micro SD memory cards up to 256GB support (possible local recording)	—	—
Image compression method	Ultra 265 / H.265 / H.264 / MJPEG	H.265+ / H.265 / H.264+ / H.264 / MJPEG	H.265 / H.264
Alarm inputs / outputs	1/1	—	—
Audio	• Microphone built-in • Audio transmission via network • Audio detection	—	• External microphone input - Jack 3.5 mm socket • Audio output - Jack 3.5 mm socket • Bi-directional audio streaming support
Bitrate	...	12 ... 8448 kbps - H.265 32 ... 10240 kbps - H.264	...
Main stream frame rate	25 fps @ 4 Mpx	20 fps @ 4 Mpx 25 fps @ 3 Mpx	25 fps @ 5 Mpx
Network interface	10/100 Base-T (RJ-45)	10/100 Base-T (RJ-45)	10/100 Base-T (RJ-45)
RS-485 interface	...	—	—
Network protocols	...	HTTP, HTTPS, TCP, ARP, RTSP, RTP, RTCP, UDP, SMTP, FTP, DHCP, DNS, DDNS, PPPoE, IPv4/IPv6, QoS, UPnP, NTP, RTMP, SFTP, IEEE 802.1x, Multicast, ICMP, IGMP	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, SMTP, UDP
WEB Server	Built-in	Built-in	Built-in
Max. number of on-line users		20	10
ONVIF	✓	18.12	✓
Mobile phones support	Access by a cloud (P2P) • Android: Free application <a href="#">EZView</a> • iOS (iPhone): Free application <a href="#">EZView</a>	Port no.: 37777 or access by a cloud (P2P) • Android: Free application <a href="#">DMSS</a> • iOS (iPhone): Free application <a href="#">DMSS</a>	Port no.: 80 or access by a cloud (P2P) • Android: Free application <a href="#">BitVision</a> • iOS (iPhone): Free application <a href="#">BitVision</a>
Default admin user / password	admin / 123456	admin / - The administrator password should be set at the first start	admin / admin
Default IP address	DHCP or 192.168.1.13	192.168.1.108	192.168.1.168
Web browser access ports	80, 554	80, 37777	80
PC client access ports	Port no.: 80 or access by a cloud (P2P) - PC: Free application <a href="#">EZStation</a>	37777	80
Mobile client access ports	80	37777	80
Port ONVIF	80	80	80
Vandal-proof	—	...	...
RTSP URL	rtsp://192.168.1.13:554/unicast/c1/s0/live - Main stream rtsp://192.168.1.13:554/unicast/c1/s1/live - Sub stream	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://user:password@ip_address:80/0 - Main stream rtsp://user:password@ip_address:80/1 - Sub stream

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Main features	<ul style="list-style-type: none"> <li>• WDR - 120 dB - Wide Dynamic Range</li> <li>• 2D-DNR, 3D-DNR - Digital Noise Reduction</li> <li>• F-DNR (Defog) - Reduction of image noise caused by precipitation</li> <li>• ROI - improve the quality of selected parts of image</li> <li>• 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</li> <li>• NAS - Network Attached Storage support</li> <li>• Corridor mode - useful for monitoring corridors, entrance gates and narrow rooms</li> <li>• BLC/HLC - Back Light / High Light Compensation</li> <li>• Possibility to change the resolution, quality and bit rate</li> <li>• Image rotation and mirror</li> <li>• Privacy zones - max. 4</li> <li>• Motion detection with human/vehicle silhouette recognition</li> <li>• Sharpness - sharper image outlines</li> <li>• Intelligent image analysis : intrusion, crossing the line (tripwire), detection of entry into the area / exit from the area, face detection, people counting, crowd gathering estimation</li> </ul>	<ul style="list-style-type: none"> <li>• WDR - 120 dB - Wide Dynamic Range</li> <li>• 3D-DNR - Digital Noise Reduction</li> <li>• ROI - improve the quality of selected parts of image</li> <li>• BLC/HLC - Back Light / High Light Compensation</li> <li>• Possibility to change the resolution, quality and bit rate</li> <li>• Motion Detection</li> <li>• Configurable Privacy Zones</li> <li>• Mirror - Mirror image</li> </ul>	<ul style="list-style-type: none"> <li>• WDR - 120 dB - Wide Dynamic Range</li> <li>• 3D-DNR - Digital Noise Reduction</li> <li>• ROI - improve the quality of selected parts of image</li> <li>• Flicker Control - The technology eliminates the tiring eyes flickering image effect</li> <li>• Mirror - Mirror image</li> <li>• BLC - Back Light Compensation</li> <li>• HLC - High Light Compensation (spot)</li> <li>• ICR - Movable InfraRed filter</li> <li>• Possibility to change the resolution, quality and bit rate</li> <li>• Privacy zones - max. 3</li> <li>• Day/Night mode - configurable</li> <li>• Sharpness - sharper image outlines</li> <li>• Intelligent image analysis : intrusion, crossing the line (tripwire), detection of people gathering, motion detection based on human detection, video tampering</li> </ul>
Power supply	<ul style="list-style-type: none"> <li>• PoE (802.3af),</li> <li>• 12 V DC / 580 mA</li> </ul>	<ul style="list-style-type: none"> <li>• PoE (802.3af),</li> <li>• 12 V DC / 500 mA</li> </ul>	<ul style="list-style-type: none"> <li>• PoE (802.3af),</li> <li>• 12 V DC / 310 mA</li> </ul>
Power consumption	≤ 7 W	≤ 6 W	≤ 3.7 W
Housing	Compact, Metal	Compact - Aluminum	Compact - Metal
Color	White	White	White
"Index of Protection"	IP67	IP67	IP67
Operation temp	-30 °C ... 60 °C	-40 °C ... 60 °C	-20 °C ... 60 °C
Weight	0.5 kg	0.4 kg	0.44 kg
Dimensions	206 x 74 x 74 mm	Ø 70 x 165 mm	173 x 73 x 73 mm
Supported languages	Polish, English, Czech, Spanish, Dutch, French, German, Portuguese, Slovak, Hungarian, Italian	Polish, English, Czech, French, Spanish Dutch, German, Portuguese, Russian, Italian	Polish, English, French, Russian
Manufacturer / Brand	UNIVIEW	DAHUA	APTI
Guarantee	3 years	3 years	2 years