

	IP CAMERA APTI-AI508C2IW-36AD Active Deterrence - 5 Mpx 3.6 mm	IP CAMERA DS-2CD1047G2H-1JU(2.8MM) ColorVu - 3.7 Mpx Hikvision	IP CAMERA IPC-HFW3549T1-AS-PV-0280B-S4-BLACK TiOC Full-Color - 5 Mpx 2.8 mm DAHUA
			
	79.48 EUR 79.48 EUR	197.48 EUR 197.48 EUR	474.69 EUR 474.69 EUR
Standard	IP	IP	TCP/IP
Matrix size	...	...	5 Mpx
Sensor	1/2.8 " SONY Starvis™ Back-illuminated CMOS	1/3 " Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS
Resolution	2592 x 1944 - 5 Mpx , 2560 x 1440 - 3.7 Mpx , 1920 x 1080 - 1080p , 1280 x 720 720p	2560 x 1440 - 3.7 Mpx , 1920 x 1080 - 1080p 1280 x 720 - 720p	2960 x 1668 - 5 Mpx , 2880 x 1620 - 4.7 Mpx , 2688 x 1520 - 4 Mpx , 2560 x 1440 - 3.7 Mpx , 2048 x 1536 - 3 Mpx , 2304 x 1296 - 3 Mpx , 1920 x 1080 - 1080p , 1280 x 960 - 1.3 Mpx , 1280 x 720 - 720p
Lens	3.6 mm	2.8 mm	2.8 mm
View angle	80 °	115 °	• 97 ° (manufacturer data) • 105 ° (our tests result)
Range of IR illumination	25 m	30 m	30 m
White light LED illuminator range	25 m	30 m	30 m
Interface	10/100 Base-T (RJ-45)	10/100 Base-T (RJ-45)	...
Min. illumination	...	...	0.003 Lux / F1.0 (color)
S/N ratio	...	...	> 56 dB
RS-485 interface	...	...	—
Memory card slot	Micro SD memory cards up to 1TB support (possible local recording)	—	Micro SD memory cards up to 256GB support (possible local recording)
Intelligent image analysis	<ul style="list-style-type: none"> intrusion - classification of people and vehicles crossing the line (tripwire) - classification of people and vehicles detection of people gathering loitering detection motion detection based on human detection	...	...
Image compression method	H.265+ / H.265 / H.264+ / H.264 / MJPEG	H.265+ / H.265 / H.264+ / H.264 / MJPEG	AI H.265 / H.265+ / H.265 / AI H.264 / H.264+ / H.264
Alarm inputs / outputs	1 / 1	—	1 / 1
Audio	<ul style="list-style-type: none"> Microphone built-in, Speaker built-in, Bi-directional audio streaming support, Audio transmission via network 	<ul style="list-style-type: none"> Microphone built-in, Audio transmission via network Compliance with the AAC standard 	<ul style="list-style-type: none"> Microphone built-in - 2 pcs, External microphone input, Speaker built-in Audio output Bi-directional audio streaming support Audio detection
Main stream frame rate	max. 25 fps @ 5 Mpx	20 fps @ 3.7 Mpx	20 fps @ 5 Mpx 25 fps @ 4 Mpx
Network interface	...	...	10/100 Base-T (RJ-45)
Mechanical protection class	—	—	...
SAP Code	...	311325490	...
Network protocols	...	...	IPv4/IPv6, HTTP, TCP, UDP, ARP, RTP, RTSP, RTCP, RTMP, SMTP, FTP, SFTP, DHCP, DNS, DDNS, QoS, UPnP, NTP, Multicast, ICMP, IGMP, NFS, SAMBA, PPPoE, SNMP
WEB Server	Built-in	Built-in	Built-in
Max. number of on-line users	10	6	20
ONVIF	19.12	—	21.12
Mobile phones support	Port no.: 80 or access by a cloud (P2P) • Android: Free application BitVision • iOS (iPhone): Free application BitVision	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
Default IP address	192.168.1.168	192.168.1.64	192.168.1.108
Default admin user / password	admin / admin	admin / - The administrator password should be set at the first start	admin / - The administrator password should be set at the first start
Web browser access ports	80	80	80, 37777
PC client access ports	80	Port no.: 8000 or access by a cloud (P2P) - iVMS-4200 application	37777
Mobile client access ports	80	8000	37777
Port ONVIF	80	80	80

DELTA-OPTI Monika Matysiak / VAT:PL5251295225 / 60-713 Poznań, ul. Graniczna 10
Tel:+48 61 864 69 60 / GSM:+48 607 60 11 66 / Fax:+48 61 864 69 65 / e-mail: info@delta.poznan.pl
Monday-Friday: 8.00-19.00 / Saturday: 8.00-14.00

RTSP URL	rtsp://user:password@ip_address:80/0 - Main stream rtsp://user:password@ip_address:80/1 - Sub stream	• 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
Main features	<ul style="list-style-type: none"> Active intrusion deterrence works by blinking blue and red light and siren sound or voice prompts WDR - Wide Dynamic Range 3D-DNR - Digital Noise Reduction F-DNR (Defog) - Reduction of image noise caused by precipitation ROI - improve the quality of selected parts of image Flicker Control - The technology eliminates the tiring eyes flickering image effect BLC - Back Light Compensation HLC - High Light Compensation (spot) ICR - Movable InfraRed filter Smart motion detection (with recognizing people and vehicles) Privacy zones - max. 3 Image rotation and mirror Day/Night mode - configurable Sharpness - sharper image outlines 	<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) SVC (Scalable Video Coding) - technology enabling the transfer of several sub-streams of different quality within one stream 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"> Active deterrence function, Alternately flashing LEDs: red and blue - frequency configuration, Siren sound - 3 volume levels WDR - 120 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 Quick Pick - AI technology enabling, together with the recorder, quick identification of interesting objects (people/vehicles) based on an artificial intelligence algorithm. It allows to extract and compare the colors of clothes and vehicles SMD 4.0 - searching for an object classified as: human, motor vehicle - increased detection distance and resistance to false alarms AI SSA AI Smart Scene Adaptive - scene auto-adaptation using deep learning algorithms to detect environmental conditions such as rain, fog, backlight, low light and flickering, in order to set the optimal image parameters BLC/HLC - Back Light / High Light Compensation Day/night mode Full Color - colorful night mode Auto White Balance AGC - Automatic Gain Control Motion Detection - max. 4 zones Privacy zones - max. 8 Mirror - Mirror image Light and sound alarm White light (LED) illuminator built-in : 2 LEDs IVS analysis : crossing the line (tripwire), intrusion - classification of people and vehicles, scene changing, video tampering, Audio detection
Power supply	• PoE (802.3af), • 12 V DC / 400 mA	• PoE (802.3af), • 12 V DC / 500 mA	• PoE (802.3af), • 12 V DC / 570 mA
Power consumption	≤ 4.8 W	• ≤ 7.5 W @ PoE • ≤ 6 W @ 12 V DC	• ≤ 8.2 W @ PoE • ≤ 6.8 W @ 12 V
Housing	Compact, Metal	Compact, Metal + Plastic	Compact - Metal
Color	White	White	Black
"Index of Protection"	IP67	IP67	IP67
Vandal-proof	...	...	—
Operation temp	-30 °C ... 60 °C	-30 °C ... 60 °C	-40 °C ... 60 °C
Weight	0.55 kg	0.3 kg	0.99 kg
Dimensions	Ø 73 x 175 mm	Ø 70 x 173 mm	289 x 95 x 85 mm
Supported languages	Polish, English, French, Russian, Spanish, Portuguese, Italian, Ukrainian, Hungarian	English, Ukrainian	Polish, English, Czech, French, Spanish, Dutch, German, Russian, Portuguese, Romanian, Ukrainian, Hungarian, Italian
Manufacturer / Brand	APTI	Hikvision	DAHUA
Guarantee	2 years	3 years	3 years

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