




	SOLAR IP CAMERA, OUTDOOR SD2A400HB-GN-AGO-PV-SP-EAU PIR 4G/LTE-3.7 Mpx 4 mm DAHUA	IP SPEED DOME CAMERA OUTDOOR SD49225GB-HNR - 1080p 4.8 ... 120 mm DAHUA	IP SPEED DOME CAMERA OUTDOOR IPC675LEW-AX4DUPKC-VG - 5 Mpx 2.8 ... 12 mm UNIVIEW
			
	720.67 EUR 720.67 EUR	864.66 EUR 864.66 EUR	466.37 EUR 466.37 EUR
Standard	TCP/IP	TCP/IP	TCP/IP
Sensor	1/2.8" Progressive Scan CMOS Progressive Scan CMOS	1/2.8" STARVIS™ CMOS	1/2.7" Progressive Scan CMOS
Matrix size	4 Mpx	2.1 Mpx	5 Mpx
Resolution	2560 x 1440 - 3.7 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	2880 x 1620 - 5 Mpx , 2560 x 1440 - 3.7 Mpx , 2304 x 1296 - 3 Mpx , 1920 x 1080 - 1080p 1280 x 720 - 720p
Lens	4 mm	4.8 ... 120 mm	2.8 ... 12 mm
View angle	84° (manufacturer data)	• 59° ... 2.8° (manufacturer data) • 57° ... 3.1° (our tests result)	• 104° ... 31° (manufacturer data) • 81° ... 30° (our tests result)
Optical zoom	...	x 25	x 4
Digital zoom	...	x 16	—
Range of IR illumination	30 m	100 m	50 m
White light LED illuminator range	30 m	...	10 m
Video output	...	—	—
Preset rotation speed	• 62°/s (horizontal) • 36°/s (vertical)	• 240°/s (horizontal) • 200°/s (vertical)	• 50°/s (horizontal) • 40°/s (vertical)
Rotation speed (manual control)	• 0.1°/s ... 74°/s (horizontal) • 0.1°/s ... 36°/s (vertical)	• 0.1°/s ... 200°/s (horizontal) • 0.1°/s ... 120°/s (vertical)	• 0.1°/s ... 50°/s (horizontal), • 0.1°/s ... 40°/s (vertical)
Horizontal rotation range	0° ... 345° - Rotation of the head is limited by stops	360° - continuous	0° ... 345° - Rotation of the head is limited by stops
Vertical rotation range	0° ... 80°	-15° ... 90°	-10° ... 110°
RS-485 interface	...	—	—
Number of presets	...	300	256
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
Alarm inputs / outputs	...	2 / 1	—
Audio	• Microphone built-in, • Speaker built-in - Alarm siren, • Audio transmission via network, • Bi-directional audio streaming support, • Noise reduction, • Alarm signaling, • Compliance with the AAC standard	• External microphone input • Audio output • Audio detection	• Microphone built-in, • Speaker built-in • Bi-directional audio streaming support • Audio detection • Noise reduction
Main stream frame rate	25 fps @ 4 Mpx	25 fps @ 1080p	25 fps @ 5 Mpx
Network interface	• 4G LTE • RJ-45 - 10/100 Mb/s	10/100 Base-T (RJ-45)	10/100 Base-TX (RJ-45)
Network protocols	HTTP, HTTPS, TCP/IP, IPv4/IPv6, RTSP, UDP, SMTP, NTP, DHCP, DNS, DDNS, IEEE 802.1x, SSL, QoS, FTP, UPnP, ICMP, SNMP, IGMP, ARP, RTCP, RTP, PPPoE, RTMP, Bonjour, SMB, NFS	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, RTMP, P2P, Multicast	IPv4, IGMP, ICMP, ARP, TCP/IP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, IEEE 802.1x, SNMP, SSL
ONVIF	21.12	21.12	✓
WEB Server	Built-in	Built-in	Built-in
Memory card slot	Micro SD memory cards up to 512GB support (possible local recording)	Micro SD memory cards up to 512GB support (possible local recording)	Micro SD memory cards up to 256GB support (possible local recording)
Max. number of on-line users	20	20	32
Mobile phones support	Port 37777 • Android: Free application DMSS • iOS (iPhone): Free application DMSS	Port no.: 37777 or access by a cloud (P2P) • Android: Free application DMSS • iOS (iPhone): Free application DMSS	Access by a cloud (P2P) • Android: Free application EZView • iOS (iPhone): Free application EZView
Default IP address	192.168.1.108	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 / - The administrator password should be set at the first start	admin / 123456
Web browser access ports	80, 37777	80, 37777	80, 554
PC client access ports	37777	37777	Port no.: 80 or access by a cloud (P2P) - PC: Free application EZStation
Mobile client access ports	37777	37777	80
Port ONVIF	80	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	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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Main features	<ul style="list-style-type: none"> • D-WDR - 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 • BLC/HLC - Back Light / High Light Compensation • Day/night mode • Configurable: brightness, contrast, saturation • Sharpness - sharper image outlines • AGC - Automatic Gain Control • Auto White Balance • Motion Detection • Alarm signaling - Audio, Blinking LED, E-mail • Alarm notifications • Events saving to the micro SD card • Built-in PIR detector - Detection range : 10 m • 4G LTE/WCDMA/GSM support - The microSIM cards support • RESET button, • Solar Panel : 36.7 W - built-in battery 10 Ah 	<ul style="list-style-type: none"> • WDR - Wide Dynamic Range • 2D-DNR, 3D-DNR - Digital Noise Reduction • EIS - Electronic Image Stabilization • ROI - improve the quality of selected parts of image • F-DNR (Defog) - Reduction of image noise caused by precipitation • BLC/HLC - Back Light / High Light Compensation • Motion Detection • Privacy zones - max. 24 • ICR - Movable InfraRed filter • Sharpness - sharper image outlines • SMD 4.0 - searching for an object classified as: human, motor vehicle - increased detection distance and resistance to false alarms • 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 • Smart motion detection (with recognizing people and vehicles) • IVS analysis : crossing the line (tripwire), entering the marked area, leaving the marked area, intrusion, abandoned/missing object, fast moving, detection of people gathering, loitering detection, face detection - supports 6 types of facial attributes extraction 	<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 • Support ARP defence • BLC/HLC - Back Light / High Light Compensation • Day/night mode • ICR - Movable InfraRed filter • Auto White Balance • RESET button - on the cable • Privacy zones - max. 4 • Motion Detection • Tamper signaling • Image rotation and mirror • 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 • Home Position - set the camera to the specified position if no operator activity for a specified dwell time • Active deterrence function - Active intrusion deterrence works by blinking blue and red light and siren sound or voice prompts • Intelligent image analysis : crossing the line (tripwire), intrusion, detection of entry into the area / exit from the area, people counting, crowd gathering estimation, face detection
Estimated battery operation time	• 7 days (Standby mode) - at 1h of remote live view per day
Vandal-proof
Power supply	Solar Panel - Li-Ion battery 5.4 / 3 A (max), 10.2 Ah, 36.7 Wh	• PoE (802.3at), • 12 V DC / 3 A (power adapter not included)	• PoE (802.3af), • 12 V DC / 1.5 A
Operation temp	...	-40 °C ... 70 °C	-20 °C ... 60 °C
Power consumption	• ≤ 2.3 W (Standby mode) • ≤ 10 W (max) - 4G LTE support, Illuminator, PTZ, Heater on	≤ 20 W	≤ 18 W
Housing	Mini Speed Dome, Plastic	Speed Dome, Metal	Speed Dome, Plastic
"Index of Protection"	IP66	IP66	IP66
Color	White + Black	White + Black	White + Black
Operation temp	0 °C ... 50 °C
Weight	1.47 kg (total)	3.5 kg (with bracket)	0.94 kg
Dimensions	245 x 223 x 344 mm (total)	160 x 295 x 357 mm (with bracket)	Ø 133 x 185 x 276 mm (without bracket)
Supported languages	Polish, English, Bulgarian, Czech, French, Greek, Spanish, German, Portuguese, Russian, Romanian, Serbian, Slovak, Turkish, Hungarian, Italian	Polish, English, Czech, French, Spanish, Dutch, Indonesian (Bahasa), German, Portuguese, Russian, Romanian, Turkish, Ukrainian, Hungarian, Vietnamese, Italian	Polish, English, Czech, French, Spanish, Dutch, German, Portuguese, Slovenian, Hungarian, Italian
Manufacturer / Brand	DAHUA	DAHUA	UNIVIEW
Guarantee	3 years	5 years	2 years

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