

	IP SPEED DOME CAMERA OUTDOOR SD22204DB-GNY - 1080p 2.8... 12 mm DAHUA	IP SPEED DOME CAMERA OUTDOOR SD22404DB-GNY - 4 Mpx 2.8... 12 mm DAHUA	IP SPEED DOME CAMERA OUTDOOR DS-2DE3404W-DE(T5) : 3.7 Mpx 2.8 - 12 mm MOTOZOOM Hikvision
			
	379.23 EUR 379.23 EUR	437.61 EUR 437.61 EUR	513.46 EUR 513.46 EUR
Standard	TCP/IP	TCP/IP	TCP/IP
Sensor	1/2.8" STARVIS™ CMOS	1/2.8" Progressive Scan Exmor CMOS	1/2.8" Progressive Scan CMOS
Matrix size	2.1 Mpx	4 Mpx	4 Mpx
Resolution	1920 x 1080 - 1080p , 1280 x 960 - 1.3 Mpx , 1280 x 720 - 720p	2560 x 1440 - 4 Mpx , 2304 x 1296 - 3 Mpx , 1920 x 1080 - 1080p , 1280 x 960 - 1.3 Mpx , 1280 x 720 - 720p	2560 x 1440 - 3.7 Mpx , 1920 x 1080 - 1080p , 1280 x 960 - 1.3 Mpx , 1280 x 720 - 720p
Scanning system		Progressive	
Lens	2.8 ... 12 mm	2.8 ... 12 mm	2.8 - 12 mm, AutoFocus Motozoom
IR illuminator	—	—	—
Video output	—	—	—
View angle	• 99 ° ... 32 ° (manufacturer data) • 91 ° ... 30 ° (our tests result)	• 90 ° ... 29 ° (manufacturer data) • 82 ° ... 28 ° (our tests result)	94 ° ... 32 °
Optical zoom	x 4	x 4	x 4
Digital zoom	x 16	x 16	x 16
Min. illumination	0.005 Lux (color) 0.0005 Lux (B/W)	0.005 Lux (color) 0.0005 Lux (B/W)	...
S/N ratio	...	> 55 dB	...
Preset rotation speed	• 100 °/s (horizontal) • 60 °/s (vertical)	100 °/s (horizontal) 60 °/s (vertical)	• 60 °/s (horizontal) • 50 °/s (vertical)
Rotation speed (manual control)	• 0.1 °/s ... 100 °/s (horizontal) • 0.1 °/s ... 60 °/s (vertical)	• 0.1 °/s ... 100 °/s (horizontal) • 0.1 °/s ... 60 °/s (vertical)	• 0.1 °/s ... 60 °/s (horizontal), • 0.1 °/s ... 50 °/s (vertical)
Protocols	DH-SD, PELCO-D/P		
Horizontal rotation range	0 ° ... 355 ° - Rotation of the head is limited by stops	0 ° ... 355 ° - Rotation of the head is limited by stops	350 ° - Rotation of the head is limited by stops
Vertical rotation range	0 ° ... 90 °	0 ° ... 90 °	0 ° ... 90 °
RS-485 interface	—	✓	✓
Number of presets	300	300	300
Horizontal scan	—	✓	—
Route settings	8	8	8
Image compression method	H.265+ / H.265 / H.264+ / H.264 / MJPEG	H.265+ / H.265 / H.264+ / H.264 / H.264H / MJPEG	H.265+ / H.265 / H.264+ / H.264 / MJPEG
Audio	—	—	• External microphone input • Audio output • Audio detection • Noise suppression and echo cancellation
Alarm inputs / outputs	—	—	1 / 1
Main stream frame rate	25 fps @ 1080p	25 fps @ 4 Mpx	25 fps @ 3.7 Mpx
Network interface	10/100 Base-TX (RJ-45)	10/100 Base-T (RJ-45)	10/100 Base-T (RJ-45)
Network protocols	FTP, IPv4/IPv6, Bonjour, DNS, RTSP, PPPoE, TCP/IP, NTP, RTP, RTMP, IEEE 802.1x, HTTP, HTTPS, SNMPv1/v2c/v3(MIB-2), QoS, ARP, NFS, SMB, SSL, UDP, UPnP, ICMP, IGMP, RTSP, SMTP, DHCP, DNS, DDNS, FTP, IP Filter, QoS	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPoE, DDNS, FTP, IP Filter, QoS, Bonjour, IEEE 802.1x	...
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)
WEB Server	Built-in	Built-in	Built-in, NVR compliance
Max. number of on-line users	20	20	20
ONVIF	21.12	21.12	✓
Mobile phones support	Port 37777 • Android: Free application DMSS • iOS (iPhone): Free application DMSS	Port 37777 • Android: Free application DMSS • iOS (iPhone): Free application DMSS	Port no.: 8000 or access by a cloud (P2P) • Android: Free application Hik-Connect • iOS: Free application Hik-Connect
Default IP address	192.168.1.108	192.168.1.108	192.168.1.64
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 / - The administrator password should be set at the first start
Web browser access ports	80, 37777	80, 37777	80
PC client access ports	37777	37777	Port no.: 8000 or access by a cloud (P2P) - iVMS-4200 application
Mobile client access ports	37777	37777	8000
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	• Main stream : rtsp://user:password@192.168.1.64:554/Streaming/Channels/101/ - with authorization • Sub stream : rtsp://user:password@192.168.1.64:554/Streaming/Channels/102/ - with authorization



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

Main features	• D-WDR - Wide Dynamic Range • 2D-DNR, 3D-DNR - Digital Noise Reduction • EIS - Electronic Image Stabilization • 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 • Motion Detection • Configurable Privacy Zones • Sharpness - sharper image outlines • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Day/night mode • IVS analysis : Smart motion detection (with recognizing people and vehicles), face detection, crossing the line (tripwire), intrusion, detection of crossing a virtual fence, abandoned/missing object, fast moving, parking detection, detection of people gathering, classification of people and vehicles	• D-WDR - Wide Dynamic Range • 2D-DNR, 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • EIS - Electronic Image Stabilization • BLC - Back Light Compensation • HLC - High Light Compensation (spot) • Motion Detection • Configurable Privacy Zones • Day/night mode • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Mirror - Mirror image • Sharpness - sharper image outlines • SMD 3.0 - searching for an object classified as: human, motor vehicle • IVS analysis, crossing the line (tripwire), intrusion - classification of people and vehicles, abandoned/missing object, detection of entry into the area / exit from the area, parking detection, fast moving, detection of people gathering, face detection - advanced face capture features	• 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 • SVC (Scalable Video Coding) - technology enabling the transfer of several sub-streams of different quality within one stream • BLC - configurable Back Light Compensation • HLC - High Light Compensation (spot) • NAS - Network Attached Storage support - allows to connect memory resources directly to the computer network • Privacy zones - max. 24 • Motion Detection • ICR - Movable InfraRed filter • Sharpness - sharper image outlines • Image rotation and mirror • Intelligent image analysis : abandoned/missing object, crossing the line (tripwire), intrusion, detection of entry into the area / exit from the area, abandoned/missing object
Power supply	• PoE (802.3af), • 12 V DC / 460 mA	• 12 V DC / 510 mA • PoE (802.3af)	• PoE (802.3af), • 12 V DC / 1 A (power adapter included)
Power consumption	≤ 6.1 W	≤ 6.1 W	≤ 10 W
Housing	Speed Dome, Metal	Speed Dome, Metal	Speed Dome, Aluminum alloy + Plastic
Color	White	White	White
SAP Code			327000441
Operation temp	-30 °C ... 60 °C	-30 °C ... 60 °C	-30 °C ... 65 °C
"Index of Protection"	IP66	IP66	IP66
Vandal-proof	IK10	IK10	...
Weight	0.54 kg	0.57 kg	0.93 kg
Dimensions	Ø 122 x 89 mm	Ø 122 x 89 mm	Ø 141 x 107 mm
Supported languages	Polish, English, Czech, French, Spanish, Dutch, German, Portuguese, Russian, Romanian, Turkish, Italian	Polish, English, Czech, French, Spanish, Dutch, German, Portuguese, Russian, Romanian, Turkish, Hungarian, Italian	Polish, English, Bulgarian, Croatian, Czech, Danish, Estonian, Finnish, French, Greek, Spanish, Dutch, German, Norwegian, Portuguese, Russian, Romanian, Serbian, Slovak, Slovenian, Swedish, Turkish, Ukrainian, Hungarian, Vietnamese, Italian
Manufacturer / Brand	DAHUA	DAHUA	Hikovision
Guarantee	5 years	5 years	3 years