

	IP SPEED DOME CAMERA OUTDOOR SD5A232GB-HNR - 1080p 4.5... 144 mm DAHUA	NVR NVR608RH-128-XI 128 CHANNELS WizMind DAHUA
		
	1639.57 EUR 1639.57 EUR	7143.57 EUR 7143.57 EUR
Standard	TCP/IP	IP
Sensor	1/2.8 " STARVIS™ CMOS	...
Supported resolutions	...	max. 32 Mpx
Matrix size	2.1 Mpx	...
Video outputs	...	<ul style="list-style-type: none"> • 2 pcs HDMI 4K • 1 pcs HDMI 8K • 1 pcs HDMI • 2 pcs VGA
Resolution	1920 x 1080 - 1080p , 1280 x 960 1.3 Mpx , 1280 x 720 720p	...
Audio support	...	<ul style="list-style-type: none"> • 128 Channels - Audio from cameras, • Bi-directional audio streaming support
Audio inputs	...	1 pcs CINCH
Lens	4.5 ... 144 mm	...
Audio outputs	...	2 pcs CINCH
View angle	<ul style="list-style-type: none"> • 58 ° ... 3 ° (manufacturer data) • 56 ° ... 3 ° (our tests result) 	...
Optical zoom	x 32	...
Bitrate	...	max. 1280 Mbps
Digital zoom	x 16	...
Range of IR illumination	150 m	...
Video output	—	...
Supported hard drives	...	8 x 16 TB SATA + 1 x eSATA , Raid 0/1/5/6/10
Preset rotation speed	<ul style="list-style-type: none"> • 400 °/s (horizontal) • 300 °/s (vertical) 	...
Recording modes	...	Manual, Sensor, Motion detection, Schedule
External storage devices backup	...	Backup to USB drive (pendrive, external drive)
Searching and playback the records	...	<ul style="list-style-type: none"> • Records searching: by time and events type. Records playback: forward, backward, fast, slow • Advanced searching (to the one second accuracy) • Records playback from max. 16 channels in the same time
Rotation speed (manual control)	<ul style="list-style-type: none"> • 0.1 °/s ... 300 °/s (horizontal) • 0.1 °/s ... 200 °/s (vertical) 	...
Horizontal rotation range	360 ° - continuous	...
Network functions	...	Full support via network, Remote records copying, Web-Server built-in
Vertical rotation range	-15 ° ... 90 °	...
RS-485 interface	—	...
Number of presets	300	...
Horizontal scan	✓	...
Route settings	8	...
Image compression method	H.265+ / H.265 / H.264+ / H.264 / MJPEG	Smart H.265+ / H.265 / Smart H.264+ / H.264 / MPEG-4 / MJPEG
Audio	<ul style="list-style-type: none"> • External microphone input • Audio output • Bi-directional audio streaming support • Audio detection • Compliance with the AAC standard 	...
Main stream frame rate	25 fps @ 1080p	...
Network interface	10/100 Base-T (RJ-45)	2 x RJ-45 10/100/1000/2500 Base-TX
USB	...	<ul style="list-style-type: none"> • 2 pcs USB 2.0 • 2 pcs USB 3.0
Serial ports	...	RS-485, RS-232
Alarm inputs / outputs	2 / 1	16 / 8
PTZ control	...	<ul style="list-style-type: none"> • IP Speed Dome Cameras • RS-485 - PELCO-D/P and others
Intelligent image analysis	...	✓

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Monday-Friday: 8.00-19.00 / Saturday: 8.00-14.00

Motion Detection	...	✓
Network protocols	HTTP, HTTPS, TCP, IPv4/IPv6, RTSP, UDP, SMTP, NTP, DHCP, DNS, DDNS, IEEE 802.1x, QoS, FTP, UPnP, ICMP, SNMP, SNMPv1/v2c/v3(MIB-2), IGMP, ARP, RTCP, RTP, RTMP, PPPoE, SSL	...
WEB Server	Built-in	...
Max. number of on-line users	20	...
ONVIF	21.12	✓
Memory card slot	Micro SD memory cards up to 512GB support (possible local recording)	...
Mobile phones support	Port no.: 37777 or access by a cloud (P2P) • 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 See how to configure the P2P function in Dahua recorders and how to enable the mobile application
Default IP address	192.168.1.108	192.168.1.108
Mouse support	...	✓
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
Web browser access ports	80, 37777	80, 37777
IR remote controller in the set	...	—
PC client access ports	37777	37777
Switch PoE	...	—
Mobile client access ports	37777	37777
Port ONVIF	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
Operation temp	...	-10 °C ... 55 °C
Main features	<ul style="list-style-type: none"> • Intelligent Object Tracking • WDR - 120 dB - 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 • 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 • BLC - Back Light Compensation • Motion Detection • Privacy zones - max. 24 • Day/night mode • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Auto White Balance • Sharpness - sharper image outlines • Filtering of false alarms based on the recognition of persons and vehicles (tripwire, intrusion) • Smart motion detection (with recognizing people and vehicles) • IVS analysis : crossing the line (tripwire), intrusion, abandoned/missing object, linkage tracking, fast moving, parking detection, detection of people gathering, loitering detection, face detection - advanced face capture features, supports 6 types of facial attributes extraction 	<ul style="list-style-type: none"> • Intelligent image analysis : IVS analysis - 10 rules, scene changing, face detection, • SMD PLUS - searching for an object classified as: human, motor vehicle, non-motor vehicle • Filtering of false alarms based on the recognition of persons and vehicles • Face recognition - supports 6 types of facial attributes extraction • Face recognition and analysis in real time (up to 16 photos per second) • Support for up to 40 face databases, including 300 000 face images • metadata handling - automatic photo taking and collection of information enabling the subsequent identification of people and vehicles that triggered the alarm (clothing, silhouette, face, features of motor and non-mechanical vehicles) • AcuPick support - technology that uses artificial intelligence on both front-end and back-end to search through massive amounts of video data to quickly locate targets with high precision • EPTZ - advanced target detection and tracking algorithms that trigger alarms - can simultaneously zoom and track many people and/or vehicles <p>Functions implemented in cooperation between the recorder and cameras that support these functions :</p> <ul style="list-style-type: none"> • ANPR • Authorized and unauthorized license plate lists: up to 20 000 records • counting people / vehicles • crowd gathering estimation • heat map
Power supply	• PoE (802.3at), • 24 V DC / 2.5 A (power adapter included)	• 100 ... 240 V AC @ 50 / 60 Hz • Redundant power supply
Power consumption	max. 22 W	max. 18 W (without HDD)
Housing	Speed Dome, Metal + Plastic	...
Color	White + Black	...
Operation temp	-40 °C ... 70 °C	...
"Index of Protection"	IP67	...
Vandal-proof	IK10	...

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Weight	5.37 kg (with bracket)	8.14 kg
Dimensions	190 x 415 x 268 mm (with bracket)	444 x 476 x 95 mm
Supported languages	Polish, English, Czech, Spanish, French, Dutch, German, Portuguese Romanian, Russian Turkish Hungarian, Italian	Polish, English
Manufacturer / Brand	DAHUA	DAHUA
Guarantee	5 years	3 years



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