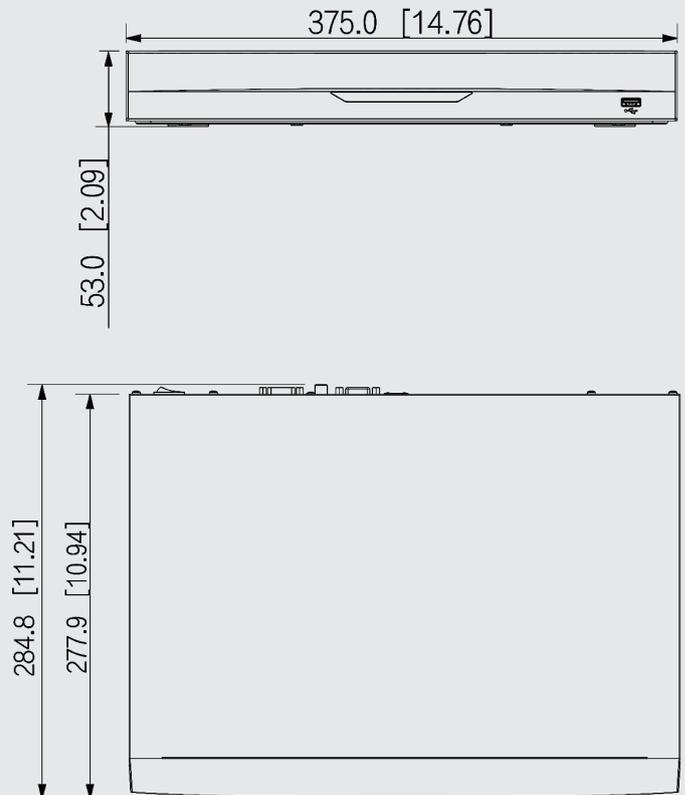




FEATURES

- Supports Smart H.265+, H.265, Smart H.264+, H.264 and MJPEG decoding formats.
- Max. decoding capability: 32 × 1080p@30 fps or 8 × 8MP@30 fps.
- Max. 384 Mbps incoming/recording/outgoing bandwidth.
- Supports IP cameras with a resolution up to 32 MP.
- Support AiPick with up to 8 channels.
- Support N+M cluster.
- AI by recorder: 2-channel face detection and recognition, 4-channel perimeter protection, and 8-channel SMD Plus.
- AI by camera: Face detection and recognition, perimeter protection, SMD Plus, metadata, ANPR, stereo analysis, heat map, and people counting.
- Security baseline 2.4.



MT-NVR5008-4KAI

TECHNICAL SPECIFICATIONS

System	Main Processor	Industrial-grade processor	Audio and Video	Access Channel	8	
	Operating System	Embedded Linux		Network Bandwidth	AI disabled: 384 Mbps incoming, 384 Mbps recording and 384 Mbps outgoing AI enabled: 200 Mbps incoming, 200 Mbps recording and 200 Mbps outgoing	
	Operating Interface	Web, Local GUI		Resolution	32 MP; 24 MP; 16 MP; 12 MP; 8 MP; 5 MP; 4 MP; 1080p; 720p; D1; CIF; QCIF	
AI	AI by Recorder	Face detection; face recognition; perimeter protection; SMD Plus		Decoding Capability	AI disabled: 2-channel 32 MP@25 fps; 2-channel 24 MP@25 fps; 4-channel 16 MP@30 fps; 5-channel 12 MP@30 fps; 8-channel 8 MP@30 fps AI enabled: 1-channel 32 MP@25 fps; 1-channel 24 MP@25 fps; 2-channel 16 MP@30 fps; 4-channel 12 MP@30 fps; 6-channel 8 MP@30 fps; 8-channel 5 MP@30 fps	
	AI by Camera	Face detection; face recognition; video metadata (human, motor vehicles, and non-motor vehicles); perimeter protection; SMD Plus; stereo analysis; crowd distribution; people counting; ANPR; vehicle density; heat map				
	AcuPick AI by Camera + Recorder	Max. 8-channel, 1 combined event per channel/s				
Perimeter Protection	Perimeter Performance AI by Recorder (Number of Channels)	4 channels, 10 IVS rules for each channel		Video Output	1 VGA, 1 HDMI VGA:1920 × 1080, 1280 × 1024, 1280 × 720 HDMI:3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720 Heterogeneous video source output for HDMI and VGA	
	Perimeter Performance of AI by Camera (Number of Channels)	8 channels				
Face Detection	Face Attributes	Gender; age group; glasses; expressions; face mask; beard				Multi-screen Display
	Face Detection Performance of AI by Recorder (Number of Channels)	2 channels (up to 12 face images/s each channel)				
	Face Detection Performance of AI by Camera (Number of Channels)	8 channels	Third-party Camera Access	ONVIF; Panasonic; Sony; Axis; Arecont; Pelco; Canon; Hanwha		
Face Recognition	Face Database Capacity	Up to 20 face databases with 20,000 images, with a total capacity of 2.5 G. Name, gender, birthday, address, credential type, credential No., countries & regions and state can be added to each face image			Compression Standard	Video Compression Smart H.265+; H.265; Smart H.264+; H.264; MJPEG
	Face Recognition Performance of AI by Recorder (Number of Channels)	1. 8-channel FD (by camera) + FR (by recorder), image stream: 16 face images/s 2. 2-channel FD (by recorder) + FR (by recorder), video stream: 12 face images/s	Audio Compression G.711a; G.711u; PCM; G726			
	Face Recognition Performance of AI by Camera (Number of Channels)	8 channels		Network	Network Protocol HTTP; HTTPS; TCP/IP; IPv4/IPv6; UDP; SNMP; NTP; DHCP; DNS; SMTP; UPnP; IP Filter; PPPoE; FTP; DDNS; Alarm Server; IP Search (Supports Mtechnology IP camera, DVR, NVS, etc.); Multicast; P2P; Auto Registration; iSCSI	
SMD Plus	SMD Plus by Recorder	8 channels: Secondary filtering for human and motor vehicle, reducing false alarms caused by leaves, rain and lighting condition change	Mobile Phone Access			iOS; Android
	SMD Plus by Camera	8 channels				
Video Metadata	Metadata Performance of AI by Camera (Number of Channels)	8 channels	Interoperability			ONVIF 22.12 (Profile T; Profile S; Profile G); CGI; SDK
	Human Attributes	Top color, top type, bottom color, bottom type, hat, bag, age, gender and umbrella				
	Motor Vehicle Attributes	License plate, plate color, vehicle body, vehicle model, vehicle logo, calling, seatbelt, vehicle interior, vehicle registration location.	Browser	Chrome;IE;Safari;Edge;Firefox		
	Non-motor Vehicle Attributes	Vehicle model, vehicle color, number of persons, helmet.				
Vehicle License Plate Comparison	ANPR by Camera (Number of Channels)	8 channels				
	License Plate Database Capacity	1. Create up to 20,000 plate numbers. 2. Blocklist and allowlist				

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TECHNICAL SPECIFICATIONS

Recording Playback	Multi-channel Playback	Up to 8 channels
	Record Mode	General, motion detection; intelligent; alarm; POS
	Backup Method	USB device and network
	Playback Mode	Instant playback, general playback, event playback, tag playback, smart playback (face and motion detection)
Storage	Disk Group	Yes
Alarm	General Alarm	Motion detection; privacy masking; local alarm
	Anomaly Alarm	Camera offline; storage error; disk full; IP conflict; MAC conflict; login lock; abnormal behavior of fan; cybersecurity exception
	Intelligent Alarm	Face detection; perimeter protection; face recognition; video metadata (human, motor vehicles, and non-motor vehicles); SMD Plus; stereo analysis; crowd distribution; people counting; ANPR; vehicle density; heat map
	Alarm Linkage	Record; snapshot (panoramic); local alarm output; IPC external alarm output; access controller; audio; buzzer; log, preset; email
Port	Audio Input	1-channel RCA
	Audio Output	1-channel RCA
	Alarm Input	4 channels
	Alarm Output	2 channels
	HDD Interface	2 SATA ports, each disk can contain up to 20 TB. This limit varies depending on the environment temperature.
	RS-232	1
	RS-485	1
	USB	2 (1 front USB 2.0 port, 1 rear USB 3.0 port)
	HDMI	1
	VGA	1
Network Port	1(10/100/1000 Mbps Ethernet port, RJ-45)	
General	Power Supply	12 VDC, 4 A
	Power Consumption	Total output of NVR is ≤ 10 W (without HDD)
	Net Weight	1.57 kg (3.46 lb)
	Gross Weight	2.73 kg (6.02 lb)
	Product Dimensions	375.0 mm × 284.4 mm × 56.0mm (14.76" × 11.20" × 2.20") (W × D × H)
	Packaging Dimensions	433.0 mm × 141.0 mm × 366.0 mm (17.04" × 5.55" × 14.41") (W × D × H)
	Operating Temperature	-10 °C to +55 °C (14 °F to +131 °F)
	Storage Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Operating Humidity	10%–93% (RH)	
Installation	Rack or desktop	
Certifications	FCC: 47 CFR FCC Part15, SubpartB, Class A CE-EMC: EN 55032: 2015+A1: 2020; EN IEC 61000-3-2: 2019+A1: 2021; EN 61000-3-3: 2013+A1: 2019+A2: 2021; EN 55035: 2017+A11: 2020; EN 50130-4: 2011+A1: 2014 CE-LVD: EN 62368-1: 2014	