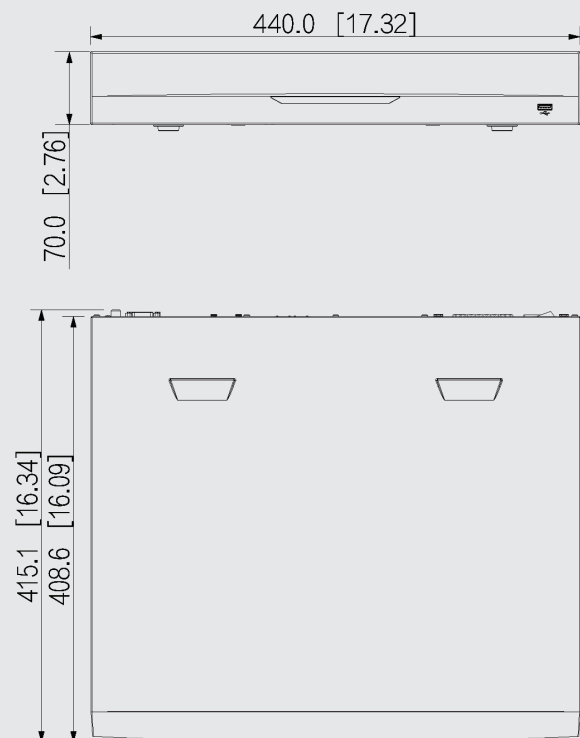




## FEATURES

- Smart H.265+/H.265/Smart H.264+/H.264/MJPEG decoding format.
- 32-channel 1080p self-adaptive decoding capability.
- Max. 384 Mbps incoming/recording/outgoing bandwidth.
- AI by recorder: 2-channel face detection and recognition, 4-channel perimeter protection, and 8-channel Ai Plus.
- AI by camera: Face detection and recognition, perimeter protection,
- Ai Plus, metadata, ANPR, stereo analysis, heat map, and people counting.
- Security baseline 2.3.



# MT-NVR5032AI-4K

## TECHNICAL SPECIFICATIONS

System	Main Processor	Industrial-grade processor
	Operating System	Embedded Linux
	Operating Interface	Web, Local GUI
AI	AI by Recorder	Face detection; face recognition; perimeter protection; Ai Plus
	AI by Camera	Face detection; face recognition; video metadata (human, motor vehicles, and non-motor vehicles); perimeter protection; Ai Plus; stereo analysis; crowd distribution; people counting; ANPR; vehicle density; heat map
Perimeter Protection	Perimeter Performance AI by Recorder (Number of Channels)	4 channels, 10 IVS rules for each channel
	Perimeter Performance of AI by Camera (Number of Channels)	16 channels
Face Detection	Face Attributes	Gender; age group; glasses; expressions; face mask; beard
	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)	16 channels
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.
	Face Recognition Performance of AI by Recorder (Number of Channels)	1. 16-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
	Face Recognition Performance of AI by Camera (Number of Channels)	16 channels
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
	SMD Plus by Camera	16 channels
Video Metadata	Metadata Performance of AI by Camera (Number of Channels)	8 channels
	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.
	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

Audio and Video	Access Channel	32	
	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	
	Resolution	32 MP; 24 MP; 16 MP; 12 MP; 8 MP; 5 MP; 4 MP; 1080p; 720p; D1; CIF; QCIF	
	Decoding Capability	AI disabled: 2-channel 32 MP@20 fps; 2-channel 24 MP@20 fps; 4-channel 16 MP@30 fps; 5-channel 12 MP@30 fps; 8-channel 8 MP@30 fps; 12-channel 5 MP@30 fps; 16-channel 4 MP@30 fps; 32-channel 1080p@30 fps AI enabled: 1-channel 32 MP@20 fps; 1-channel 24 MP@20 fps; 2-channel 16 MP@30 fps; 4-channel 12 MP@30 fps; 4-channel 8 MP@30 fps; 8-channel 5 MP@30 fps; 12-channel 4 MP@30 fps; 24-channel 1080p@30 fps	
	Video Output	2-channel VGA, 2-channel HDMI video output. Heterogeneous video source output for HDMI1 and HDMI2 Simultaneous video source output for VGA1 and HDMI1 Simultaneous video source output for VGA2 and HDMI2 Supports 4K display	
	Multi-screen Display	Main screen: 1/4/8/9/16/25/36 Sub screen: 1/4/8/9/16	
	Third-party Camera Access	ONVIF; Panasonic; Sony; Axis; Arecont; Pelco; Canon; Samsung	
	Compression Standard	Video Compression	Smart H.265+; H.265; Smart H.264+; H.264; MJPEG
		Audio Compression	G.711a; G.711u; PCM; G726
	Network	Network Protocol	HTTP; HTTPS; TCP/IP; IPv4/IPv6; RTSP; 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
Mobile Phone Access		iOS; Android	
Interoperability		ONVIF 21.12(Profile T; Profile S; Profile G); CGI; SDK	
Browser		Chrome IE 9 or later Firefox	
Network Mode		Multi-address mode, load balance, fault tolerance and other network port binding modes	

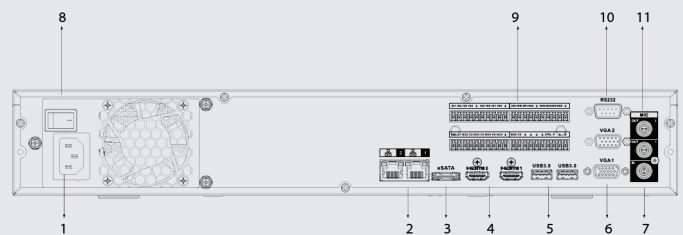
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# MT-NVR5032AI-4K

## TECHNICAL SPECIFICATIONS

Recording Playback	Multi-channel Playback	Up to 16 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	2-channel RCA
	Alarm Input	16 channels
	Alarm Output	6 channels (1-channel 12 V 1 A output)
	HDD Interface	4 SATA ports, up to 16 TB. The maximum HDD capacity varies with environment temperature.
	eSATA	1
	RS-232	1
	RS-485	1 (half-duplex serial communication)
	USB	3(1 front USB 2.0 port, 2 rear USB 3.0 ports)
	HDMI	2
	VGA	2
Network Port	2 (10/100/1000 Mbps Ethernet port, RJ-45)	

General	Power Supply	100–240 VAC, 50-60 Hz
	Power Consumption	Total output of NVR is ≤ 13 W (without HDD)
	Net Weight	4.74 kg (10.45 lb)
	Gross Weight	6.11 kg (13.47 lb)
	Product Dimensions	440.0 mm × 415.1 mm × 70.0 mm (17.32" × 16.34" × 2.76") (W × D × H)
	Packaging Dimensions	530.0 mm × 500.0 mm × 210.0 mm (20.87" × 19.69" × 8.27") (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)
Certifications	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
Panels		1. Power Input 2. Network Ports 3. eSATA Port 4. HDMI Ports 5. USB Ports 6. VGA Ports 7. MIC IN, RCA Connector 8. Power Switch 9. Alarm In/Out 10. RS-232 Port 11. MIC OUT, RCA Connector



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