



<p><b>AI VideoHUB</b></p> <p>32-channel AI NVR with smart search, perimeter protection, face &amp; ANPR up to 32 MP cameras</p>	<p><b>Dual 4K Output</b></p> <p>2x HDMI up to 8K + 2x VGA, independent matrix output for multi-monitor setups</p>	<p><b>Dual Gigabit LAN</b></p> <p>Sub-network isolation and dual-stream remote access optimized for bandwidth</p>	<p><b>Privacy &amp; Cybersecurity</b></p> <p>GDPR-compliant max-retention, AES video encryption, intrusion alerts</p>
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## FEATURES

- 32 access channels, IP cameras up to 32 MP, 8K HDMI output
- 448/448/448 Mbps incoming/recording/outgoing (200 Mbps with AI active)
- AI Target Search: find specific person or vehicle in seconds
- Intelligent Motion Detection with human/vehicle classification (no false alarms)
- Face detection & recognition, perimeter protection, ANPR, PPE, people counting
- Dual 4K HDMI + dual VGA video output, independent matrix function
- Dual gigabit LAN for sub-network isolation and dual-stream remote access
- 4 SATA bays up to 20 TB each, eSATA expansion, N+M cluster and iSCSI
- Cybersecurity: AES video encryption, unauthorized-access alerts, anomaly detection
- GDPR-compliant retention with encryption, mirror recording and ANR
- ONVIF Profile S/G/T/M, RTSP multi-brand support, free CMS Win/macOS, iOS/Android apps
- 1.5U rack-mountable, 100–240 VAC universal power, ≤ 13 W consumption

# MT-NVR5032AI-K4

## TECHNICAL SPECIFICATIONS

Intelligent	
<b>AI by Recorder</b>	Face detection; face recognition; video metadata (human, motor vehicles, non-motor vehicles); perimeter protection; Intelligent Motion Detection; AI Target Search
<b>AI by Camera</b>	Face detection/recognition; metadata; perimeter protection; Intelligent Motion Detection; stereo analysis; crowd distribution; people counting; ANPR; vehicle density; heat map; PPE detection; smart object/sound detection; AI Target Search
<b>AI Target Search (Recorder)</b>	4 channels
<b>AI Target Search (Camera)</b>	All channels (32 targets/s)
<b>Perimeter Protection (Recorder)</b>	8 channels, 10 IVS rules per channel
<b>Perimeter Protection (Camera)</b>	All channels (32 targets/s)
<b>Face Attributes</b>	Gender; age group; glasses; expressions; face mask; beard
<b>Face Detection (Recorder)</b>	4 channels (up to 12 face images/s each)
<b>Face Detection (Camera)</b>	All channels (32 targets/s)
<b>Face Database Capacity</b>	Up to 20 face databases, 30,000 images, 3.75 GB total
<b>Face Recognition (Recorder)</b>	1) 24-ch FD (by camera) + FR (by recorder), image stream: 24 face images/s. 2) 4-ch FD (by recorder) + FR (by recorder), video stream: 24 face images/s
<b>Face Recognition (Camera)</b>	All channels (32 targets/s)
<b>Intelligent Motion Detection (Recorder)</b>	16 channels: human/vehicle classification, eliminates false alarms from leaves, rain, lighting changes
<b>Intelligent Motion Detection (Camera)</b>	All channels (64 targets/s)
<b>Video Metadata (Recorder)</b>	4 channels, 22 attributes extraction
<b>Video Metadata (Camera)</b>	All channels (16 targets/s)
<b>ANPR (Camera)</b>	All channels (8 targets/s)
<b>License Plate Database</b>	Up to 20,000 plates, blocklist & allowlist
Network	
<b>Network Protocol</b>	HTTP(S), TCP/IP, IPv4/v6, RTSP, UDP, NTP, DHCP, DNS, SMTP, UPnP, FTP, DDNS, SNMP, P2P, iSCSI
<b>Mobile / Browser</b>	iOS, Android   Chrome, IE, Safari, Edge, Firefox
<b>Interoperability</b>	ONVIF 25.06 (Profile S/G/T/M); CGI; SDK
<b>Network Mode</b>	Multi-address; load balance; fault tolerance; link aggregation
<b>Network Ports</b>	2x RJ-45 10/100/1000 Mbps (dual gigabit)
Environment	
<b>Operating Temperature</b>	-10 °C to +55 °C
<b>Storage Temperature</b>	-20 °C to +60 °C
<b>Operating Humidity</b>	10%–93% RH, non-condensing
Certifications	
<b>CE-EMC</b>	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
<b>CE-LVD</b>	EN 62368-1:2014

Video	
<b>Access Channels</b>	32 channels
<b>Network Bandwidth</b>	AI disabled: 448 Mbps in / 448 Mbps recording / 448 Mbps out. AI enabled: 200/200/200 Mbps
<b>Resolution</b>	32 MP / 24 MP / 16 MP / 12 MP / 8 MP / 6 MP / 5 MP / 4 MP / 3 MP / 1080p / 720p / 960p / D1 / CIF / QCIF
<b>Decoding Capability</b>	AI disabled: 2-ch 32 MP@25 fps; 2-ch 24 MP@25 fps; 5-ch 16 MP@30 fps; 6-ch 12 MP@30 fps; 10-ch 8 MP@30 fps; 13-ch 6 MP@30 fps; 16-ch 5 MP@30 fps; 20-ch 4 MP@30 fps; 32-ch 1080p@30 fps. AI enabled: 1-ch 32 MP@25 fps; 2-ch 24 MP@25 fps; 4-ch 16 MP@30 fps; 5-ch 12 MP@30 fps; 8-ch 8 MP@30 fps; 10-ch 6 MP@30 fps; 12-ch 5 MP@30 fps; 16-ch 4 MP@30 fps; 32-ch 1080p@30 fps
<b>Video Output</b>	2x VGA (1920x1080, 1280x1024, 1280x720); 2x HDMI (up to 7680x4320 / 4K / 1080p). Heterogeneous output HDMI1/HDMI2; simultaneous VGA1+HDMI1, VGA2+HDMI2
<b>Multi-screen Display</b>	Main: 1/4/8/9/16/25/36   Sub: 1/4/8/9/16
<b>Third-party Cameras</b>	ONVIF; Panasonic; Sony; Axis; Arecont; Pelco; Canon; Hanwha
<b>Video Compression</b>	Smart H.265+ / H.265 / Smart H.264+ / H.264 / MJPEG
<b>Audio Compression</b>	G.711a; G.711u; PCM; G.726
Audio	
<b>Audio Input</b>	1-channel RCA
<b>Audio Output</b>	2-channel RCA
Alarm Event	
<b>General Alarm</b>	Intelligent Motion Detection; local alarm; alarm box; camera external alarm; network alarm; scene change; PIR; thermal alarm
<b>Anomaly Alarm</b>	No disk / disk error / low space / abnormal disk health / network disconnection / IP conflict / MAC conflict / abnormal fan speed / video loss / video tampering / camera offline / audio detection
<b>Intelligent Alarm</b>	Face detection/recognition; perimeter protection; metadata; Intelligent Motion Detection; stereo analysis; crowd distribution; people counting; ANPR; vehicle density; heat map; PPE; smart object/sound detection
<b>Alarm Linkage</b>	Record; panoramic snapshot; local alarm output; IPC alarm output; audio; buzzer; log; preset; e-mail
<b>Alarm Input</b>	16 channels
<b>Alarm Output</b>	6 channels (1x 12 V 1 A output)
Ports	
<b>USB / HDMI / VGA</b>	3x USB (1 front 2.0, 2 rear 3.0)   2x HDMI   2x VGA
<b>Serial</b>	1x RS-232, 1x RS-485
Power	
<b>Power Supply</b>	100–240 VAC, 50/60 Hz
<b>Power Consumption</b>	≤ 13 W (without HDD)
Structure	
<b>Net Weight</b>	4.27 kg (9.41 lb)
<b>Gross Weight</b>	6.30 kg (13.89 lb)
<b>Product Dimensions</b>	440.0 × 415.6 × 76.0 mm (WxDxH) — 1.5U rack-mountable
<b>Packaging Dimensions</b>	529.0 × 499.0 × 211.0 mm (WxDxH)

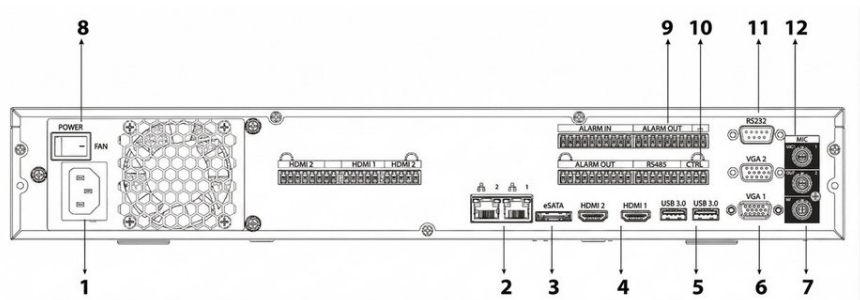
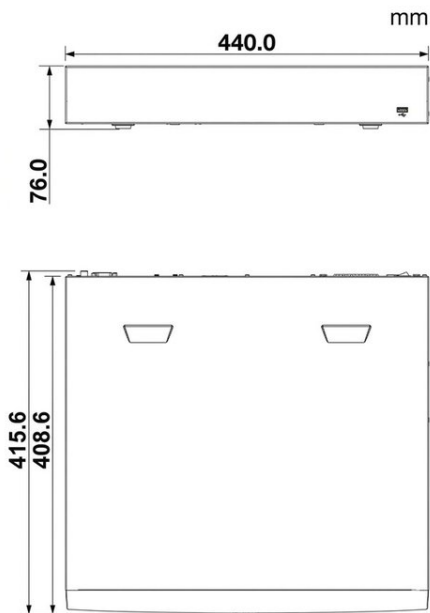
# MT-NVR5032AI-K4

## TECHNICAL SPECIFICATIONS

System	
Main Processor	Industrial-grade processor
Operating System	Embedded Linux
Operating Interface	Web, Local GUI

Storage & Playback	
Disk Interface	4x SATA up to 20 TB each + 1x eSATA. Disk Group supported
Multi-channel Playback	Up to 16 channels
Record / Playback	General, IMD, intelligent, alarm, POS   Instant, event, target video, clip, tag, smart playback
Backup	USB device and network

## DIMENSIONS & CONNECTIONS



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|----------------------------|------------------------------|
| 1. Power Input             | 2. Network Ports             |
| 3. eSATA Port              | 4. HDMI Ports                |
| 5. USB 3.0 Ports           | 6. VGA Ports                 |
| 7. AUDIO IN, RCA Connector | 8. Power Switch              |
| 9. Alarm In/Out            | 10. RS-485 Port              |
| 11. RS-232 Port            | 12. AUDIO OUT, RCA Connector |