



AI by NVR

Face recognition, perimeter protection, AI target search

8 PoE Ports

Plug and play cameras, power and data on one cable

4K HDMI Output

Simultaneous HDMI 4K and VGA Full HD display

FEATURES

- 1-channel face detection and recognition, or 2-channel perimeter protection, or 4-channel AI by NVR
- 1 VGA + 1 HDMI simultaneous video output by default, HDMI resolution up to 4K
- H.264/H.265/Smart H.264+/Smart H.265+/MJPEG compression with H.265 auto switch
- Remote surveillance, live view and video playback on mobile phone App
- Supports mainstream third-party IP cameras via RTSP protocol
- Max. decoding capability: 4 x 1080p@30fps with adaptive decoding
- Up to 10 face databases and 5,000 face images
- Intelligent Motion Detection with human/vehicle classification
- New 4.0 user interface
- Security baseline 2.1

MT-NVR3108P-AI

TECHNICAL SPECIFICATIONS

Intelligent	
Intelligent Motion Detection	Human and vehicle classification, eliminates false alerts from animals, leaves and rain
AI Search	Search by target classification (human, vehicle) on 4 channels

Alarm	
General Alarm	Intelligent Motion Detection, privacy masking, video loss, PIR alarm, IPC alarm
Anomaly Alarm	Front-end device offline, storage error, full storage, IP conflict, MAC conflict, login lock, network security anomaly
Alarm Linkage	Video recording, snapshot, log, preset, tour

General	
Power Supply	DC 53V, 1.8A
Power Consumption	NVR <= 10W (without HDD); total PoE output power 38W, max output of a single port 25.5W
Net Weight	0.92 kg (2.03 lb)
Gross Weight	2.07 kg (4.56 lb)
Product Dimensions	260 mm x 232.7 mm x 47.6 mm (W x L x H)
Package Dimensions	117 mm x 373 mm x 307 mm (W x L x H)
Operating Temperature	-10 C to +55 C (+14 F to +113 F)
Storage Temperature	0 C to +40 C (+32 F to +104 F)
Operating Humidity	10%-93%
Operating Altitude	3000 m (9843 ft)
Installation	Desktop mounting
Certifications	CE, FCC

Face Recognition	
Performance	Max 8 face pictures/sec processing; 1-channel video stream face recognition
Stranger Mode	Detects faces not present in the device face database; similarity threshold can be set manually
AI Search	Up to 8 target face images searched at the same time; similarity threshold can be set for each target face image
Database Management	Up to 10 face databases with 5,000 face images in total; name, gender, birthday, address, certificate type, certificate No., country/region and state can be added to each face picture
Database Application	Each database can be applied to video channels independently
Trigger Events	Buzzer, voice prompts, email, snapshot, recording, alarm out, PTZ activation, etc.

External Port	
HDD	1 SATA port, up to 8 TB (maximum HDD capacity varies with environment temperature)
USB	1 front USB 2.0 port, 1 rear USB 2.0 port
HDMI	1
VGA	1
Network	1 RJ-45 port (10/100 Mbps), 8 RJ-45 ports with PoE power supply (10/100 Mbps)
RCA Input	1
RCA Output	1

Video	
Access Channel	8 channels
Network Bandwidth	200 Mbps for access, 200 Mbps for storage and 100 Mbps for forwarding
Resolution	12M/8M/5M/4M/3M/2M/720p/D1
Decoding Capability	1-channel 8MP@30fps; 4-channel 1080p@30fps
Video Output	1 VGA / 1 HDMI simultaneous video output by default, HDMI resolution up to 4K
Multi-screen Display	1/4/8/9
Third Party Camera Access	RTSP

Network	
Network Protocol	HTTP, HTTPS, TCP/IP, IPv4, IPv6, RTSP, UDP, NTP, DHCP, DNS
Mobile Phone Access	Android, iOS
Interoperability	HTTP CGI, SDK
Browser	Chrome, IE9 or above, Firefox

System	
Main Processor	Industrial-grade embedded processor
Operating System	Embedded Linux
Operation Interface	Web / local GUI

Compression	
Video	H.264 / H.265 / Smart H.264+ / Smart H.265+ / MJPEG
Audio	PCM / G.711A / G.711U / G.726 / AAC

Record Playback	
Multi-channel Playback	Up to 8 channels playback
Record Mode	Priority of record mode: manual recording > alarm recording > motion detection recording > timed recording
Storage	Local HDD and network
Backup	USB device
Playback Function	Play, pause, stop, fast forward, fast backward, rewind, play by frame; full screen, backup (cut/file), partial enlarge, audio on/off

Perimeter Protection	
Performance	2 channels
Object Classification	Human/vehicle secondary recognition for tripwire and intrusion
AI Search	Search by target classification (human, vehicle)