

NVR 32 CHANNEL 4HDD SLOT

Technical Specification

System

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

AI

AI by Camera	Face detection; face recognition; perimeter protection; SMD Plus; ANPR; people counting; stereo analysis; heat map
AI by Device	Face detection; face recognition; perimeter protection; SMD Plus

Perimeter Protection

Perimeter Performance AI by Device (Number of Channels)	2
Perimeter Performance of AI by Camera (Number of Channels)	8

Face Detection

Face Attributes	6 attributes: Gender; age group (6); glasses; expressions (8); mouth mask; beard
Face Detection Performance of AI by Device (1080P) (Number of Channels)	1 (up to 12 face images/second)
Face Detection Performance of AI by Camera (Number of Channels)	8

Face Recognition

Face Database Capacity	Up to 10 face databases with 20,000 images
Face Recognition Performance of AI by Device (1080P) (Number of Channels)	1 (up to 4 face images/second)
Face Recognition Performance of AI by Camera (Number of Channels)	8

SMD Plus

SMD Plus by Device	4
SMD Plus by Camera	16-channel SMD Plus (AI by camera): Detects tripwire and intrusion of human or vehicle; filters false alarms caused by leaves, raindrops and change of brightness away

ANPR

ANPR by Camera	4
----------------	---

Video

Access Channel	32 channels
Network Bandwidth	AI off: Access: 256 Mbps; Storage: 256 Mbps; Forward: 256 Mbps AI on: Access: 160 Mbps; Storage: 160 Mbps; Forward: 160 Mbps
Resolution	16MP; 12MP; 8MP; 5MP; 4MP; 3MP; 1080p; 720p; D1

Decoding Capability

AI off: 1 channel × 16MP@20 fps; 1 channel × 12MP@20 fps; 2 channels × 8MP@30 fps; 4 channels × 5MP@30 fps; 5 channels × 4MP@30 fps; 10 channels × 1080p@30 fps
AI on: 1 channel × 16MP@20 fps; 1 channel × 12MP@20 fps; 2 channels × 8MP@30 fps; 3 channel × 5MP@30 fps; 4 channels × 4MP@30 fps ; 8 channels × 1080p@30 fps

Video Output

1-ch VGA output and 1-ch HDMI output; simultaneous/heterogeneous video sources output for VGA and HDMI is configurable

Multi-screen Display

1st Screen: 1/4/8/9/16/25/36
2nd Screen: 1/4/8/9

Third Party Camera Access

Panasonic; Sony; Samsung; Axis; Pelco; Arecont; ONVIF; Canon; RTSP

Compression

Video	Smart H.265+; Smart H.264+; H.265; H.264; MJPEG
Audio	PCM; G.711A; G.711U; G.726

Network

Network Protocol	HTTP; HTTPS; TCP/IP; IPv4/IPv6; UPnP; SNMP; RTSP; UDP; SMTP; NTP; DHCP; DNS; IP Filter; PPPoE; DDNS; FTP; Alarm Server; IP Search (Support Dahua IP camera; DVR; NVS; etc.); P2P; auto register
Mobile Phone Access	Android; iOS
Interoperability	ONVIF(profile T/S/G); CGI; SDK
Browser	Chrome; IE9 or later; firefox

Record Playback

Multi-channel Playback	Up to 16 channels
Record Mode	Manual; schedule (general; MD; alarm; MD & alarm; intelligent)
Storage Method	Local HDD; network
Backup	USB device
Playback Function	1. Play; pause; stop; fast forward; fast backward; rewind; play by frame 2. Full screen; backup (cut/file) ; partially enlarge; audio on/off

Alarm

General Alarm	Motion detection; privacy masking; video loss; scene changing; PIR alarm; IPC external alarm
Anomaly Alarm	Camera disconnection; storage error; disk full; IP conflict; MAC conflict; login locked; and cybersecurity exception
Intelligent Alarm	Face detection; face recognition; perimeter protection; SMD Plus; people counting; stereo analysis; heat map
Alarm Linkage	Record; snapshot; IPC external alarm output; audio; buzzer; log; preset; email

External Port

HDD	4 SATA ports, up to 10 TB. The maximum HDD capacity varies with environment temperature
USB	1 front USB 2.0 port, 1 rear USB 3.0 port
HDMI	1 (max. resolution: 4K)
VGA	1
Network	2 RJ-45 10/100/1000 Mbps self-adaptive Ethernet ports
RCA Input	1