

NVR 8Channel 8PoE 1HDD

Technical Specification

System

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

Video

Access Channel	8 channels
Network Bandwidth	80 Mbps for access, 80 Mbps for storage and 60 Mbps for forwarding.
Resolution	8MP/5MP/4MP/3MP/1080P/720P/D1/CIF
Decoding Capability	1-ch@8MP(30FPS) or 1-ch@5MP(30FPS) or 2-ch@4MP(30FPS) or 2-ch@3MP(30FPS) or 4-ch@1080P(30FPS)8-ch@720P(30FPS)
Video Output	1 VGA/1 HDMI simultaneous video output, maximum resolution 1080P
Multi-screen Display	1/4/8/9
Third Party Camera Access	Onvif, RTSP

Compression

Video	Smart H.265+/Smart H.264+/H.265/H.264
Audio	PCM/G711A/G711U/G726/AAC

Network

Network Protocol	HTTP, HTTPS, TCP/IP, IPv4, IPv6, RTSP, UDP, NTP, DHCP, DNS, P2P
Mobile Phone Access	iDMSS(iOS), gDMSS(Android)
Access Standard	ONVIF(profile T/profile S/profile G),CGI,SDK
Browser	Chrome, IE9 or above, Firefox

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	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, PIR alarm, IPC alarm
Anomaly Alarm	Front-end device going offline, storage error, full storage, IP conflict, MAC conflict, login lock, network security anomaly
Alarm Linkage	Video recording, snapshot, log, preset, tour

External Port

HDD	1 SATA 2.0 port, up to 6 TB for a single HDD. The maximum HDD capacity varies with environment temperature
USB	1 front USB 2.0 port, 1 rear USB 2.0 port
HDMI	1
VGA	1
RCA Input	1
RCA Output	1
Alarm	None
Network	1 RJ-45 port (10/100 Mbps), 8 RJ-45 ports with PoE power supply (10/100 Mbps)

General Parameter

Power Supply	DC48V/53V, 2A/1.8A
Power Consumption	Total output of NVR is ≤ 10W (without HDD) Total output power of PoE is 72W, the maximum output power of a single port is 25.5W
Net Weight	0.84 kg (1.85 lb)
Gross weight	1.98 kg (4.37 lb)
Product Dimensions	260 mm×225 mm×47.6 mm (W × L × H)
Box Dimensions	87 mm×331 mm×312 mm (W × L × H)
Operating Temperature	-10°C to 45°C (+34°F to +113°F)
Storage Temperature	0°C to 40°C (+32°F to +104°F)
Operating Humidity	10%~93%
Storage Humidity	30%~85%
Operating Altitude	3000 m (9843 ft)
Installation	Desktop mounting