



DHIPNVR04-A4

4 Channel 4K IP NVR with AI Technology



Key Features:

- H.265 codec recording
- Up to 8 megapixel live viewing & recording
- 4 channel POE built-in
- Up to 80Mbps incoming bandwidth
- P2P (no port forwarding required)
- SMD (smart motion detection)
- Perimeter protection
- Intrusion (human & vehicle classification)
- Tripwire (human & vehicle classification)
- All channels support Audio over CAT5e cable
- Audio out (2 way audio)
- PTZ control over CAT5e cable (3D positioning)
- Push notification
- HDMI (4K) & VGA



SPECIFICATIONS

Model Number	DHIPNVR04-A4
Main Processor	Industrial grade processor
Operating System	Embedded LINUX

(continued)

Video

Access Channel	4 channels
Network Bandwidth	80 Mbps for access, 80 Mbps for storage and 60 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, the maximum resolution of HDMI is 4K
Multi-screen Display	1/4
Third Party Camera Access	Onvif, RTSP

Compression

Video	H.264/.H265/Smart H.264+/Smart H.265+/MJPEG
Audio	PCM/G711A/G711U/G26/AAC

Network

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

Record Playback

Multi-channel Playback	Up to 4 channels playback
Record Mode	Priority of record mode: Manual recording > alarm recording > motion detection recording > timed recording
Storage	Local HDD
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

SMD Plus

Performance	4 channels
AI Search	Search by target classification (human, vehicle)

Face Recognition

Performance	Max 8 face pictures/sec processing 1 channel video stream face recognition
--------------------	---

Stranger Mode	Detect strangers' faces (not in device's face database). Similarity threshold can be set manually
AI Search	Up to 8 target face images search at 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., countries 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.
Alarm Linkage	Video recording, snapshot, log, preset, tour
Perimeter Protection	
Performance	2 channels
Object classification	Human/Vehicle secondary recognition for tripwire and intrusion
AI Search	Search by target classification (human, vehicle)
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 port, up to 8 TB. 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
Network	1 RJ-45 port (10/100 Mbps), 4 RJ-45 ports with PoE power supply (10/100 Mbps)
RCA Input	1
RCA Output	1

General Parameter

Power Supply	DC 53V, 1.13A
Power Consumption	Total output of NVR is ≤ 10W (without HDD) Total output power of PoE is 38W, the maximum output power of a single port is 25.5W
Net Weight	0.86 kg (1.90 lb)
Gross weight	1.86 kg (4.10 lb)
Product Dimensions	260 mm × 232.7 mm × 47.6 mm (W × L × H)
Package Dimensions	117 mm × 373 mm × 307 mm (W × L × 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%
Storage Humidity	30%–85%
Operating Altitude	3000 m (9843 ft)
Installation	Desktop mounting
Certifications	CE/FCC

