

DHIPNVR04-A5

4 Channel 4K IP NVR - 4 Ports PoE



Key Features:

- 4 channel IP input (4 x POE ports)
- Up to 12MP recording
- 4ch: 1080P decoding.
- 1-channel face detection and recognition (AI by NVR); 1-channel perimeter protection (AI by NVR); up to 10 face databases and 5,000 face images; 4-channel SMD Plus (AI by NVR);
- AI by camera: Face detection and recognition, perimeter protection, and SMD Plus
- Smart H.265+/H.265/Smart H.264+/H.264/MJPEG decoding format



SPECIFICATIONS

Model Number	DHIPNVR04-A5
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
AI by NVR	Face detection; face recognition; perimeter protection; SMD Plus

(continued)

Perimeter Protection	
Perimeter Performance AI by Device (Number of Channels)	1
Perimeter Performance of AI by Camera (Number of Channels)	4
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)	4
Face Recognition	
Face Database Capacity	Up to 10 face databases with 5,000 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)	4
SMD Plus	
SMD Plus by NVR	4 channel
SMD Plus by Camera	4-channel SMD Plus (AI by camera): filters false alarms caused by leaves, raindrops and change of brightness
Video	
Access Channel	4 channels
Network Bandwidth	80 Mbps for access, 80 Mbps for storage and 60 Mbps for forwarding.
Resolution	12MP; 8MP; 5MP; 4MP; 3MP; 2MP; 720p; D1

Decoding Capability	AI disabled: 1-channel 12MP@30 fps; 1-channel 8MP@30 fps; 2-channel 5MP@30 fps; 3-channel 4MP@30 fps; 6-channel 1080p@30 fps AI enabled: 1-channel 8MP@30 fps; 1-channel 5MP@30 fps; 2-channel 4MP@30 fps; 4-channel 1080p@30 fps
Video Output	1 × VGA, 1 × HDMI (simultaneous)
Multi-screen Display	1, 4 views
Third Party Camera Access	Onvif
Compression	
Video	Smart H.265+; H.265; Smart H.264+; H.264; MJPEG
Audio	PCM; G711A; G711U; G726
Network	
Network Protocol	HTTP; HTTPS; TCP/IP; IPv4; RTSP; UDP; NTP; DHCP; DNS; SMTP; UPnP; IP Filter; DDNS; Alarm Server; IP Search ; P2P;Auto Registration
Mobile Phone Access	Android; iOS
Interoperability	ONVIF (Profile T; profile S; profile G); CGI; SDK
Browser	Chrome; IE9 or later; Firefox
Record Playback	
Multi-channel Playback	Up to 4 channels
Record Mode	Manual record; alarm recordings; motion detection recordings; scheduled recordings
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 (vide clip/file); partially zom in; audio on/off
Alarm	
General Alarm	Motion detection; privacy masking; video loss; PIR alarm; IPC alarm
Anomaly Alarm	Camera offline; storage error; disk full; IP conflict; MAC conflict; login lock; cyber security exception
Intelligent Alarm	Face detection; face recognition; perimeter protection (intrusion and tripwire); IVS; SMD Plus

Alarm Linkage Recording; snapshot; buzzer; log; preset; email; tour

External Port

HDD 1 SATA port, up to 10 TB. The maximum HDD capacity varies with environment temperature

USB 1 × front USB2.0; 1 × back USB2.0

HDMI 1 (max. resolution: 4K)

VGA 1

Network 1x RJ-45, 10/100/1000 Mbps

PoE 4x PoE ports, 10/100 Mbps

RCA Input 1

RCA Output 1

General Parameter

Power Supply 53VDC, 1.13A

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 0.86 kg (1.90 lb)

Gross Weight 1.86 kg (4.10 lb)

Product Dimensions 260 mm × 232.7 mm × 47.6 mm (10.24" × 9.16" × 1.87") (W × L × H)

Operating Temperature -10 °C to +55 °C (+14 °F to +131 °F)

Storage Temperature 0 °C to 40 °C (32 °F to 104 °F)

Operating Humidity 10%–93%

Storage Humidity 30%–85%

Operating Altitude 3,000 m (9,842.52 ft)

Installation Desktop

Certifications

FCC:47 CFR FCC Part15,SubpartB,Class A

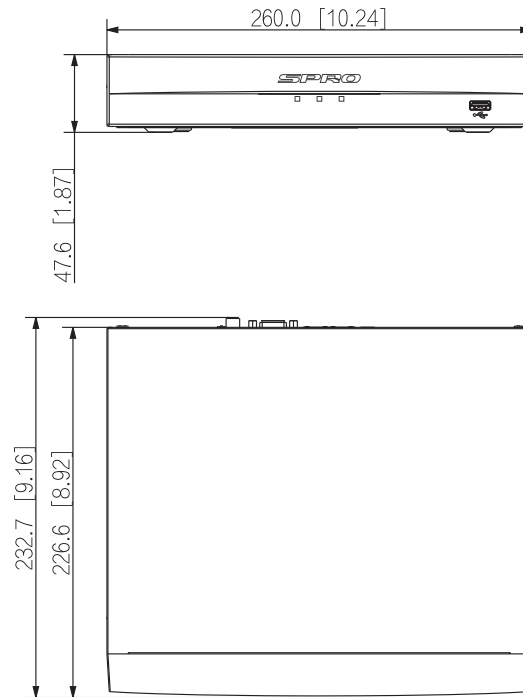
CE-EMC:EN 55032:2015,Class A;EN IEC 61000-3-2:2019;

EN 61000-3-3:2013+A1:2019;EN 55024:2010+A1:2015;

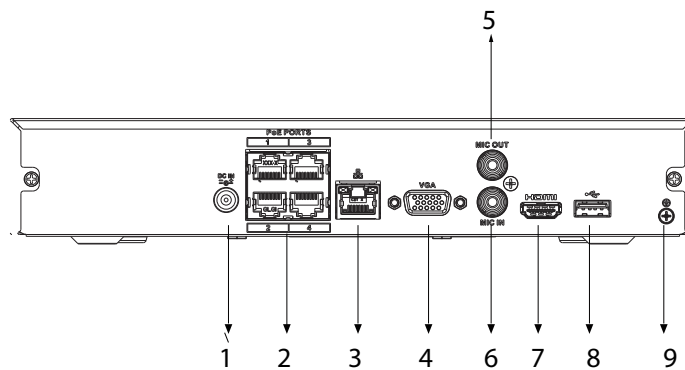
EN 55035:2017;EN 50130-4:2011+A1:2014

CE-LVD:EN 62368-1:2014+A11:20171234678951Power

Dimensions (mm[inch])



Panels



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|--------------------------|---|-------------------------|
| Power Input | 2 | PoE Ports |
| Network Port | 4 | VGA Port |
| AUDIO OUT, RCA Connector | 6 | AUDIO IN, RCA Connector |
| HDMI Port | 8 | USB Port |
| Ground | | |