

# DHIPNVR08-A5

8 Channel 4K IP NVR - 8 Ports PoE



### Key Features:

- 8 channel IP input (8 x POE ports)
- Up to 12MP recording
- Up to 6ch: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

<b>Model Number</b>	DHIPNVR08-A5
<b>Main Processor</b>	Industrial-grade embedded processor
<b>Operating System</b>	Embedded Linux
<b>Operation Interface</b>	Web; local GUI
<b>AI</b>	
<b>AI by Camera</b>	Face detection; face recognition; perimeter protection; SMD Plus
<b>AI by NVR</b>	Face detection; face recognition; perimeter protection; SMD Plus

(continued)

Perimeter Protection	
<b>Perimeter Performance AI by Device (Number of Channels)</b>	1
<b>Perimeter Performance of AI by Camera (Number of Channels)</b>	4
Face Detection	
<b>Face Attributes</b>	6 attributes: Gender; age group (6); glasses; expressions (8); mouth mask; beard
<b>Face Detection Performance of AI by Device (1080P) (Number of Channels)</b>	1 (up to 12 face images/second)
<b>Face Detection Performance of AI by Camera (Number of Channels)</b>	5
Face Recognition	
<b>Face Database Capacity</b>	Up to 10 face databases with 5,000 images
<b>Face Recognition Performance of AI by Device (1080P) (Number of Channels)</b>	1 (up to 4 face images/second)
<b>Face Recognition Performance of AI by Camera (Number of Channels)</b>	5
SMD Plus	
<b>SMD Plus by NVR</b>	4 channel
<b>SMD Plus by Camera</b>	6-channel SMD Plus (AI by camera): filters false alarms caused by leaves, raindrops and change of brightness
Video	
<b>Network Bandwidth</b>	AI off: Access: 144 Mbps; Storage: 144 Mbps; Forward: 72 Mbps AI on: Access: 72 Mbps; Storage: 72 Mbps; Forward: 36 Mbps
<b>Resolution</b>	12MP; 8MP; 5MP; 4MP; 3MP; 2MP; 720p; D1

<b>Decoding Capability</b>	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
<b>Video Output</b>	1 × VGA, 1 × HDMI (simultaneous)
<b>Multi-screen Display</b>	1, 4, 8, 9 views
<b>Third Party Camera Access</b>	Onvif
<b>Compression</b>	
<b>Video</b>	Smart H.265+; H.265; Smart H.264+; H.264; MJPEG
<b>Audio</b>	PCM; G711A; G711U; G726
<b>Network</b>	
<b>Network Protocol</b>	HTTP; HTTPS; TCP/IP; IPv4; RTSP; UDP; NTP; DHCP; DNS; SMTP; UPnP; IP Filter; DDNS; Alarm Server; IP Search ; P2P;Auto Registration
<b>Mobile Phone Access</b>	Android; iOS
<b>Interoperability</b>	ONVIF ( Profile T; profile S; profile G ); CGI; SDK
<b>Browser</b>	Chrome; IE9 or later; Firefox
<b>Record Playback</b>	
<b>Multi-channel Playback</b>	Up to 8 channels
<b>Record Mode</b>	Manual record; alarm recordings; motion detection recordings; scheduled recordings
<b>Storage</b>	Local HDD and network
<b>Backup</b>	USB device
<b>Playback Function</b>	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
<b>Alarm</b>	
<b>General Alarm</b>	Motion detection; privacy masking; video loss; PIR alarm; IPC alarm
<b>Anomaly Alarm</b>	Camera offline; storage error; disk full; IP conflict; MAC conflict; login lock; cyber security exception
<b>Intelligent Alarm</b>	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** 8x PoE ports, 10/100 Mbps

**RCA Input** 1

**RCA Output** 1

### General Parameter

**Power Supply** 53VDC, 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** 0.92 kg (2.03 lb)

**Gross Weight** 2.07 kg (4.56 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

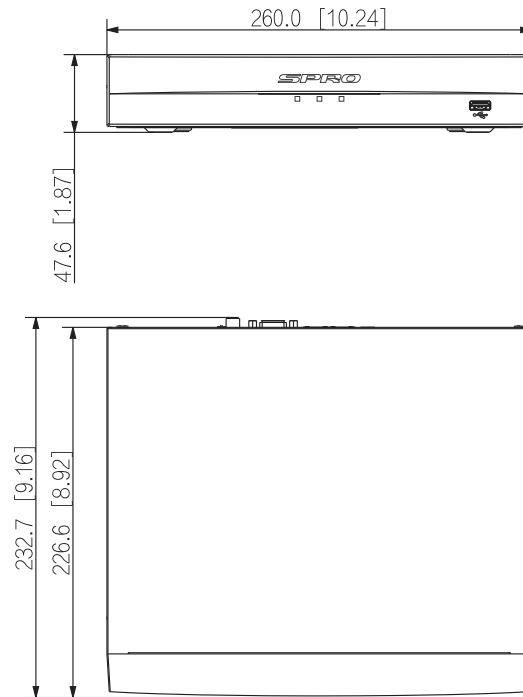
CE-EMC:EN 55032:2015,Class A;EN IEC 61000-3-2:2019;

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

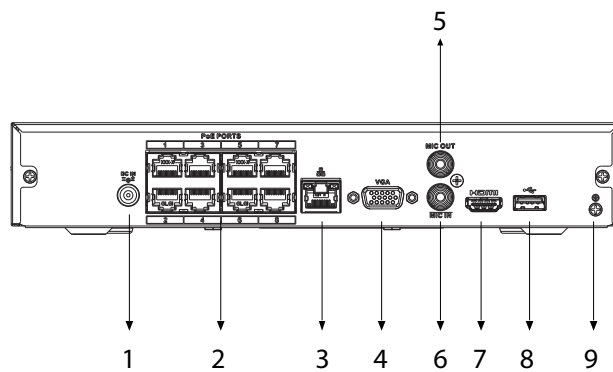
EN 55035:2017;EN 50130-4:2011+A1:2014

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

## Dimensions (mm[inch])



## Panels



- |   |                          |   |                         |
|---|--------------------------|---|-------------------------|
| 1 | Power Input              | 2 | PoE Ports               |
| 3 | Network Port             | 4 | VGA Port                |
| 5 | AUDIO OUT, RCA Connector | 6 | AUDIO IN, RCA Connector |
| 7 | HDMI Port                | 8 | USB Port                |
| 9 | Ground                   |   |                         |