

**SPRO**<sup>®</sup>**IP**

# DHIPNVR32-A8

32 CHANNEL 4K IP NVR



## Key Features:

- 32 MP (4K) video recording
- AcuPick (Compatible Camera Required)
- Flame Detection (Compatible Camera Required)
- ANPR (Compatible Camera Required)
- Smart H.265+/H.265/Smart H.264+/H.264/MJPEG decoding format.
- Max. 384 Mbps incoming/recording/outgoing bandwidth.
- AI: Recognition of human & vehicle
- Supports flame detection on IP camera
- Supports audio over CAT5e cable
- Push notification on smart phone
- P2P (no port forwarding required)



## SPECIFICATIONS

<b>Model Number</b>	DHIPNVR32-A8
<b>Main Processor</b>	Industrial-grade processor
<b>Operating System</b>	Embedded LINUX
<b>Operating Interface</b>	Web; Local GUI

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AI	
<b>AI by Recorder</b>	Face detection; face recognition; perimeter protection; SMD Plus
<b>AI by Camera</b>	Face detection; face recognition; video metadata (human, motor vehicles, and non-motor vehicles); perimeter protection; SMD Plus; stereo analysis; crowd distribution; people counting; ANPR; vehicle density; heat map
Perimeter Protection	
<b>Perimeter Performance AI (Recorder)</b>	4 channels, 10 IVS rules for each channel
<b>Perimeter Performance AI (Camera)</b>	16 channels
Face Detection	
<b>Face Attributes</b>	Gender; age group; glasses; expressions; face mask; beard
<b>Face Detection Performance By Recorder</b>	2 channels (up to 12 face image/s each channel)
<b>Face Detection Performance By Camera</b>	16 channels
Face Recognition	
<b>Face Database Capacity</b>	Up to 20 face databases with 20,000 images, with a total capacity of 2.5 G. Name, gender, birthday, address, credential type, credential No., countries & regions and state can be added to each face image.
<b>Face Recognition Performance of AI by Recorder</b>	1. 16-channel FD (by camera) + FR (by recorder), image stream: 16 face images/s 2. 2-channel FD (by recorder) + FR (by recorder), video stream: 12 face images/s
<b>Face Recognition Performance of AI by Camera</b>	16 channels
SMD +	
<b>SMD + by Recorder</b>	8 channels: Secondary filtering for human and motor vehicle , reducing false alarms caused by leaves, rain and lighting condition change
<b>SMD + by Camera</b>	16 channels

**Video Metadata****Metadata Performance of AI by Camera**

8 channels

**Human Attributes**

Top colour, top type, bottom colour, bottom type, hat, bag, age, gender and umbrella

**Motor Vehicle Attributes**

License plate, plate colour, vehicle body, vehicle model, vehicle logo, calling, seatbelt, vehicle interior, vehicle registration location.

**Non-motor vehicle Attributes**

Vehicle model, vehicle colour, number of persons, helmet.

**Vehicle License Plate Comparison****ANPR by Camera**

8 channels

**License Plate Database Capacity**

1. Create up to 20,000 plate numbers.
2. Blocklist and allowlist

**Audio and Video****Access Channel**

32

**Network Bandwidth**

AI disabled: 384 Mbps incoming, 384 Mbps recording and 384 Mbps outgoing

AI enabled: 200 Mbps incoming, 200 Mbps recording and 200 Mbps outgoing

**Resolution**

32 MP; 24 MP; 16 MP; 12 MP; 8 MP; 5 MP; 4 MP; 1080p; 720p; D1; CIF; QCIF

**Decoding Capability**

AI disabled:

2-channel 32 MP@20 fps; 2-channel 24 MP@20 fps;  
4-channel 16 MP@30 fps; 5-channel 12 MP@30 fps;  
8-channel 8 MP@30 fps; 12-channel 5 MP@30 fps;  
16-channel 4 MP@30 fps; 32-channel 1080p@30 fps;

AI enabled:

1-channel 32 MP@20 fps; 1-channel 24 MP@20 fps;  
2-channel 16 MP@30 fps; 4-channel 12 MP@30 fps;  
6-channel 8 MP@30 fps; 8-channel 5 MP@30 fps;  
12-channel 4 MP@30 fps; 24-channel 1080p@30 fps;

<b>Video Output</b>	1 VGA, 1 HDMI VGA:1920 × 1080, 1280 × 1024, 1280 × 720 HDMI:3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720 Heterogeneous video source output for HDMI and VGA Simultaneous output for VGA1 and HDMI1 Simultaneous output for VGA2 and HDMI2
<b>Multi-screen Display</b>	Main screen: 1/4/8/9/16/25/36 Sub screen: 1/4/8/9/16
<b>Third-party Cameras Access</b>	ONVIF
<b>Compression Standard</b>	
<b>Video Compression</b>	Smart H.265+; H.265; Smart H.264+; H.264; MJPEG
<b>Audio Compression</b>	G.711a; G.711u; PCM; G726
<b>Network</b>	
<b>Network Protocol</b>	HTTP; HTTPS; TCP/IP; IPv4/IPv6; UDP; SNMP; NTP; DHCP; DNS; SMTP; UPnP; IP Filter; PPPoE; FTP; DDNS; Alarm Server; IP Search (Supports SPRO IP camera, DVR, NVS, etc.); Multicast; P2P; Auto Registration; iSCSI
<b>Interoperability</b>	ONVIF 21.12(Profile T; Profile S; Profile G); CGI; SDK
<b>Mobile Phone Access</b>	DMSS
<b>Browser</b>	Chrome; IE or later; Firefox
<b>Recording Playback</b>	
<b>Multi-channel Playback</b>	Up to 16 channels
<b>Record Mode</b>	General, motion detection; intelligent; alarm; POS
<b>Backup Method</b>	USB device and network
<b>Playback Mode</b>	Instant playback, general playback, event playback, tag playback, smart playback (face and motion detection)
<b>Storage</b>	
<b>Disk Group</b>	Yes
<b>Alarm</b>	
<b>General Alarm</b>	Motion detection; privacy masking; local alarm;
<b>Anomaly Alarm</b>	Camera Offline: storage error; disk full; IP conflict; MAC conflict; login lock; abnormal behavior of fan; cybersecurity exception
<b>Intelligent Alarm</b>	Face detection; perimeter protection; face recognition; video metadata (human, motor vehicles, and non-motor vehicles); SMD Plus; stereo analysis; crowd distribution; people counting; ANPR; vehicle density; heat map

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**Alarm Linkage**

Record; snapshot (panoramic); local alarm output; IPC external alarm output; access controller; audio; buzzer; log, preset; email

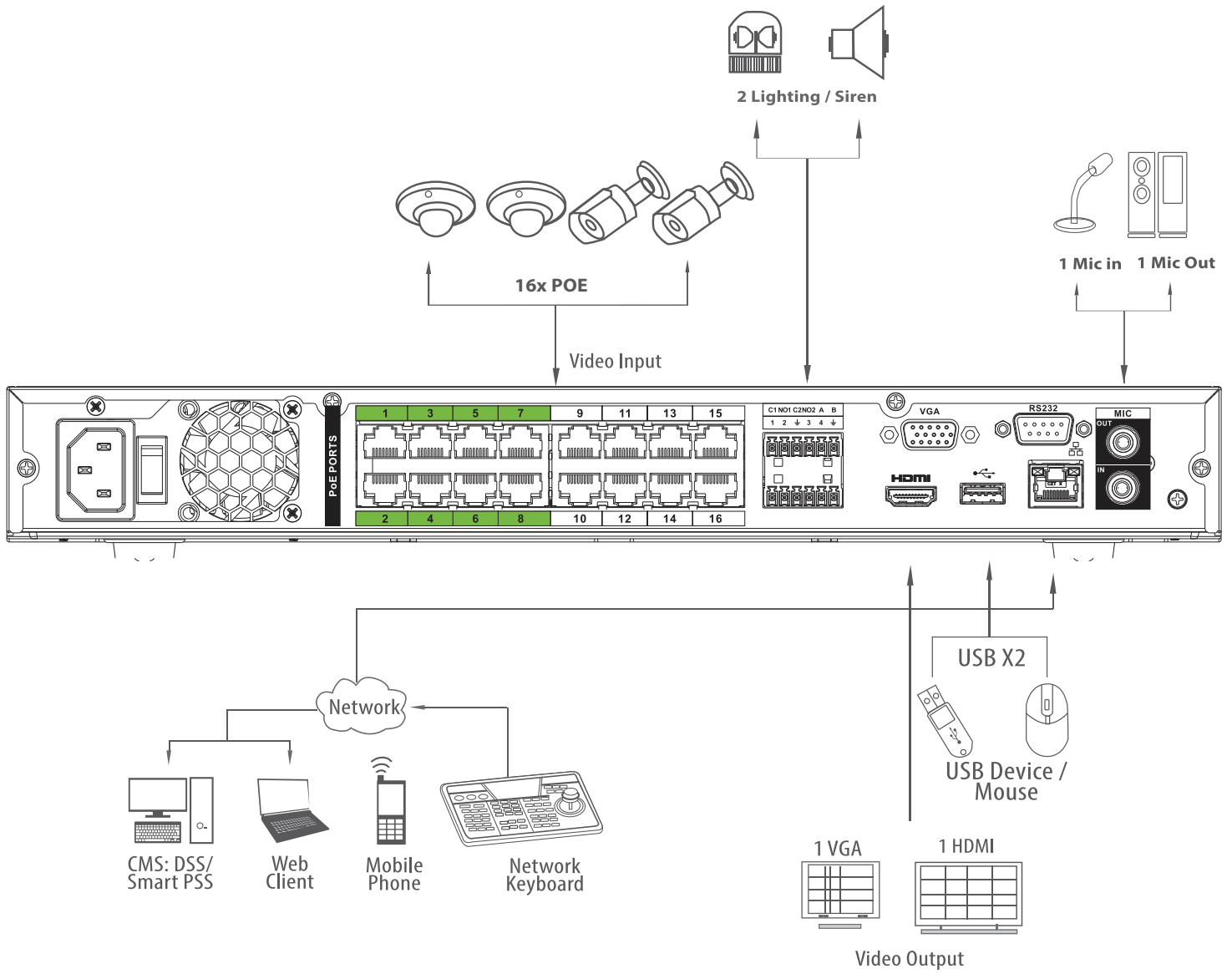
**Port**

<b>Audio Input</b>	1-channel RCA
<b>Audio Output</b>	1-channel RCA
<b>Alarm Input</b>	4 channels
<b>Alarm Output</b>	2 channels
<b>HDD Interface</b>	2 SATA ports, up to 16TB. The maximum HDD capacity varies with environment temperature.
<b>RS-232</b>	1
<b>RS-485</b>	1
<b>USB</b>	2 ( 1 front USB 2.0 port, 1 rear USB 3.0 port)
<b>HDMI</b>	1
<b>VGA</b>	1
<b>Network Port</b>	1 (10/100/1000 Mbps Ethernet port, RJ-45)
<b>PoE Port</b>	16 ports, 10/100 Mbps, IEEE 802.3 af/at, 1-8 ports support ePoE

**General**

<b>Power Supply</b>	100–240 VAC, 47–63 Hz
<b>Power Consumption</b>	Total output of NVR is ≤ 10 W (without HDD) Total output power of PoE is 130 W, the maximum output power of a single port is 25.5W
<b>Net Weight</b>	2.66 kg (5.86 lb)
<b>Gross Weight</b>	3.82 kg (8.42 lb)
<b>Product Dimensions</b>	375mm×327.5mm×53mm (14.8" x 12.9" x 2.1")
<b>Operating Temperature</b>	–10 °C to +55 °C (14 °F to +131 °F)
<b>Storage Temperature</b>	–20 °C to +60 °C (–4 °F to +140 °F)
<b>Operating Humidity</b>	10%–93% (RH)
<b>Installation</b>	Rack or Desktop
<b>Certifications</b>	FCC: 47 CFR FCC Part15, SubpartB, Class A CE-EMC: EN 55032: 2015+A1: 2020; EN IEC 61000-3-2: 2019+A1: 2021; EN 61000-3-3: 2013+A1: 2019+A2: 2021; EN 55035: 2017+A11: 2020; EN 50130-4: 2011+A1: 2014 CE-LVD: EN 62368-1: 2014

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