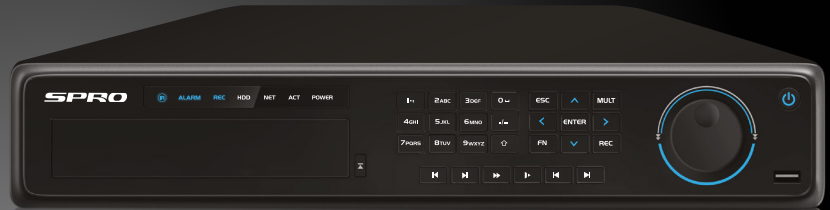


SPRO[®]**IP**

DHIPNVR32-A8-4H

32 CHANNEL 4K IP NVR



**FLAME
DETECTION**



32 CHANNELS



HDMI



VGA



PTZ CONTROL



H.265



IPHONE & ANDROID
PHONE VIEWING



APPLE MAC
VIEWING

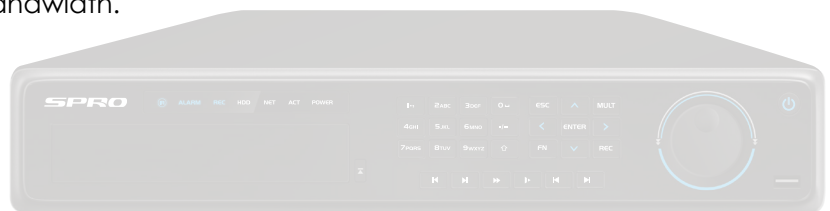


USB BACKUP



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

Model Number	DHIPNVR32-A8-4H
Main Processor	Industrial-grade processor
Operating System	Embedded LINUX
Operating Interface	Web; Local GUI

(continued)

AI	
AI by Recorder	Face detection; face recognition; perimeter protection; SMD Plus
AI by Camera	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
AcuPick by Camera + Recorder	Max. 16 channel, 1 combined event per channel/s
Perimeter Protection	
Perimeter Performance AI (Recorder)	4 channels, 10 IVS rules for each channel
Perimeter Performance AI (Camera)	16 channels
Face Detection	
Face Attributes	Gender; age group; glasses; expressions; face mask; beard
Face Detection Performance By Recorder	2 channels (up to 12 face image/s each channel)
Face Detection Performance By Camera	16 channels
Face Recognition	
Face Database Capacity	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.
Face Recognition Performance of AI by Recorder	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
Face Recognition Performance of AI by Camera	16 channels
SMD +	
SMD + by Recorder	8 channels: Secondary filtering for human and motor vehicle , reducing false alarms caused by leaves, rain and lighting condition change
SMD + by Camera	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; 6-channel 8 MP@30 fps;
4-channel 8 MP@30 fps; 8-channel 5 MP@30 fps;
12-channel 4 MP@30 fps; 24-channel 1080p@30 fps;

(continued)

2 VGA, 2 HDMI - VGA:1920 × 1080, 1280 × 1024, 1280 × 720

HDMI:3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720

Video Output

Heterogeneous video source output for HDMI1 and HDMI2

Simultaneous output for VGA1 and HDMI1;

Simultaneous output for VGA2 and HDMI2

Multi-screen Display

Main screen: 1/4/8/9/16/25/36

Sub screen: 1/4/8/9/16

Third-party Cameras Access

ONVIF

Compression Standard

Video Compression

Smart H.265+; H.265; Smart H.264+; H.264; MJPEG

Audio Compression

G.711a; G.711u; PCM; G726

Network

Network Protocol

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

Interoperability

ONVIF 21.12(Profile T; Profile S; Profile G); CGI; SDK

Mobile Phone Access

DMSS

Browser

Chrome; IE or later; Firefox

Recording Playback

Multi-channel Playback

Up to 16 channels

Record Mode

General, motion detection; intelligent; alarm; POS

Backup Method

USB device and network

Playback Mode

Instant playback, general playback, event playback, tag playback, smart playback (face and motion detection)

Storage

Disk Group

Yes

Alarm

General Alarm

Motion detection; privacy masking; local alarm;

Anomaly Alarm

Camera Offline: storage error; disk full; IP conflict; MAC conflict; login lock; abnormal behavior of fan; cybersecurity exception

Intelligent Alarm

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

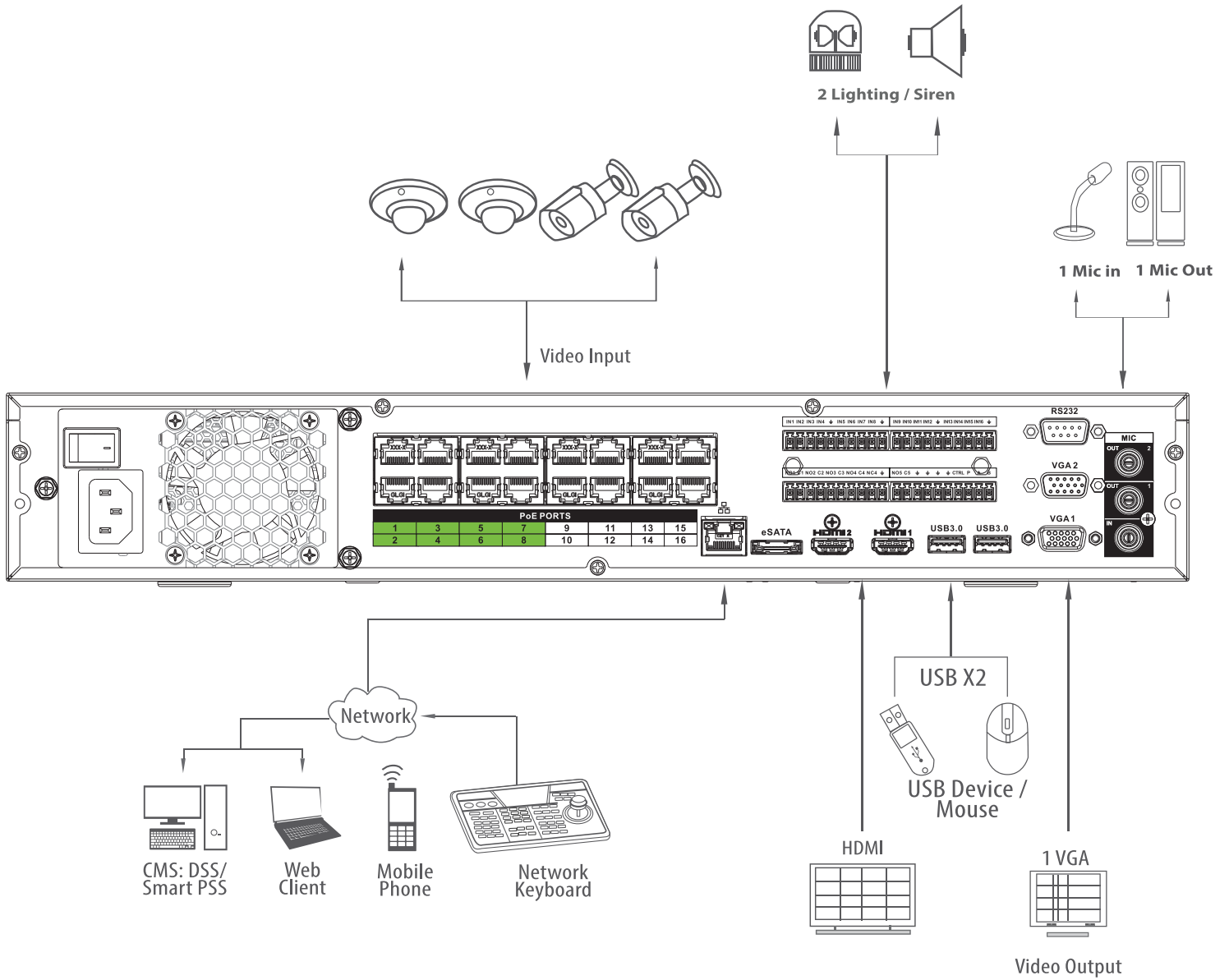
Port

Audio Input	1-channel RCA
Audio Output	2-channel RCA
Alarm Input	16 channels
Alarm Output	6 channels (1-channel 12 V 1 A output)
HDD Interface	4 SATA ports, each disk can contain up to 16 TB. This limit varies depending on the environment temperature.
eSATA	1
RS-232	1
RS-485	1 (half-duplex serial communication)
USB	3(1 front USB 2.0 port, 2 rear USB 3.0 ports)
HDMI	2
VGA	2
Network Port	1 (10/100/1000 Mbps Ethernet port, RJ-45)
PoE Port	16 ports, 10/100 Mbps, IEEE 802.3 af/at, 1-8 ports support ePoE

General

Power Supply	100–240 VAC, 50-60 Hz
Power Consumption	Total output of NVR is ≤ 13W (without HDD) Total output power of PoE is 150 W, the maximum output power of a single port is 25.5W
Net Weight	4.82 kg (10.63 lb)
Gross Weight	7.09 kg (15.63 lb)
Product Dimensions	440.0 mm × 415.1 mm x 70.0 mm (17.32" × 16.34" × 2.76")
Operating Temperature	–10 °C to +55 °C (14 °F to +131 °F)
Storage Temperature	–20 °C to +60 °C (–4 °F to +140 °F)
Operating Humidity	10%–93% (RH)
Installation	Rack or Desktop
Certifications	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

(continued)



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