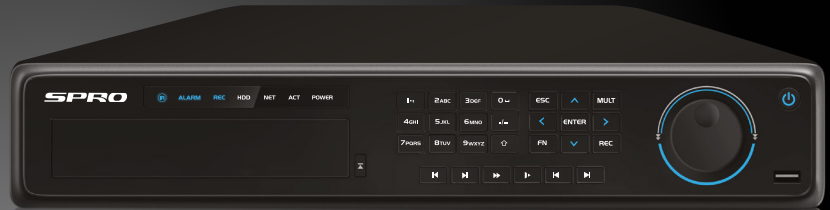


**SPRO**<sup>®</sup>**IP**

# DHIPNVR64-A8

64 CHANNEL 4K IP NVR



**FLAME  
DETECTION**



64 CHANNELS



HDMI



VGA



PTZ CONTROL



H.265



IPHONE & ANDROID  
PHONE VIEWING



APPLE MAC  
VIEWING

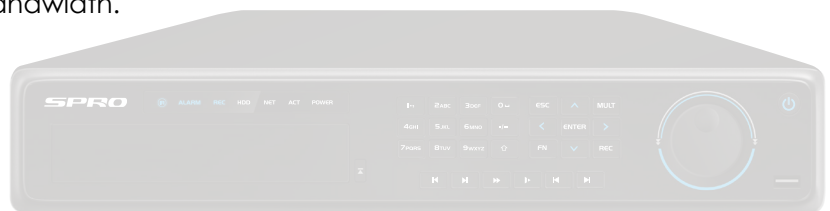


USB BACKUP



## 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

<b>Model Number</b>	DHIPNVR64-A8
<b>Main Processor</b>	Industrial-grade processor
<b>Operating System</b>	Embedded LINUX
<b>Operating Interface</b>	Web; Local GUI

(continued)

<b>AI</b>	
<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
<b>AcuPick by Camera + Recorder</b>	Max. 16 channel, 1 combined event per channel/s
<b>Perimeter Protection</b>	
<b>Perimeter Performance AI (Recorder)</b>	4 channels, 10 IVS rules for each channel
<b>Perimeter Performance AI (Camera)</b>	16 channels
<b>Face Detection</b>	
<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
<b>Face Recognition</b>	
<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
<b>SMD +</b>	
<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**

<b>Metadata Performance of AI by Camera</b>	8 channels
<b>Human Attributes</b>	Top colour, top type, bottom colour, bottom type, hat, bag, age, gender and umbrella
<b>Motor Vehicle Attributes</b>	License plate, plate colour, vehicle body, vehicle model, vehicle logo, calling, seatbelt, vehicle interior, vehicle registration location.
<b>Non-motor vehicle Attributes</b>	Vehicle model, vehicle colour, number of persons, helmet.

**Vehicle License Plate Comparison**

<b>ANPR by Camera</b>	8 channels
<b>License Plate Database Capacity</b>	1. Create up to 20,000 plate numbers. 2. Blocklist and allowlist

**Audio and Video**

<b>Access Channel</b>	64
<b>Network Bandwidth</b>	AI disabled: 384 Mbps incoming, 384 Mbps recording and 384 Mbps outgoing AI enabled: 200 Mbps incoming, 200 Mbps recording and 200 Mbps outgoing
<b>Resolution</b>	32 MP; 24 MP; 16 MP; 12 MP; 8 MP; 5 MP; 4 MP; 1080p; 720p; D1; CIF; QCIF
<b>Decoding Capability</b>	AI disabled: 2-channel 32 MP@25 fps; 2-channel 24 MP@25 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@25 fps; 1-channel 24 MP@25fps; 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>	2 VGA, 2 HDMI - VGA:1920 × 1080, 1280 × 1024, 1280 × 720 HDMI:3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720 Heterogeneous video source output for HDMI1 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

(continued)

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## Alarm Linkage

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

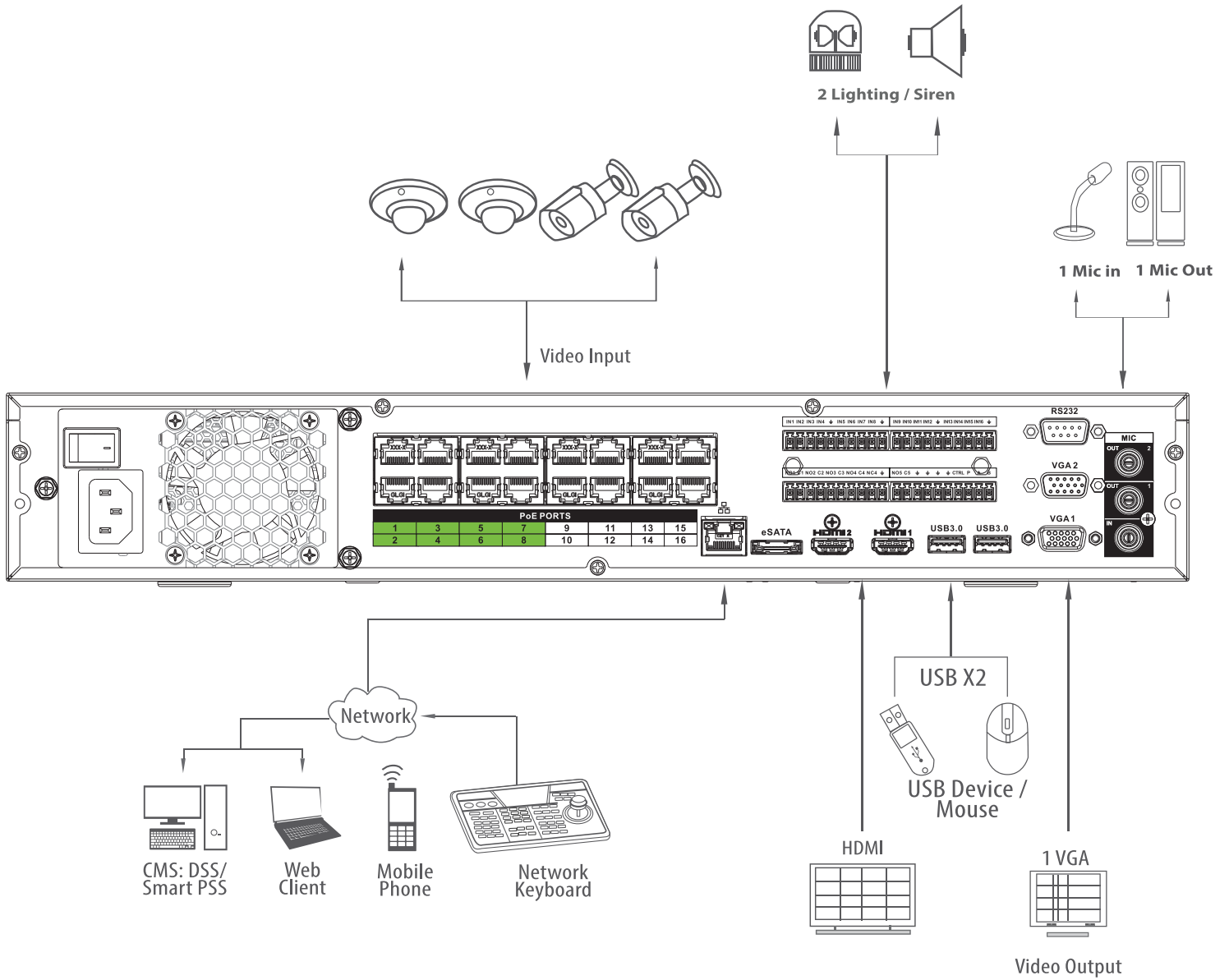
### Port

<b>Audio Input</b>	1-channel RCA
<b>Audio Output</b>	2-channel RCA
<b>Alarm Input</b>	16 channels
<b>Alarm Output</b>	6 channels (1-channel 12 V 1 A output)
<b>HDD Interface</b>	4 SATA ports, each disk can contain up to 20 TB. This limit varies depending on the environment temperature.
<b>eSATA</b>	1
<b>RS-232</b>	1
<b>RS-485</b>	1 (half-duplex serial communication)
<b>USB</b>	3(1 front USB 2.0 port, 2 rear USB 3.0 ports)
<b>HDMI</b>	2
<b>VGA</b>	2
<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, 50-60 Hz
<b>Power Consumption</b>	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
<b>Net Weight</b>	4.82 kg (10.63 lb)
<b>Gross Weight</b>	7.09 kg (15.63 lb)
<b>Product Dimensions</b>	440.0 mm × 415.1 mm x 70.0 mm (17.32" × 16.34" × 2.76")
<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

(continued)



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