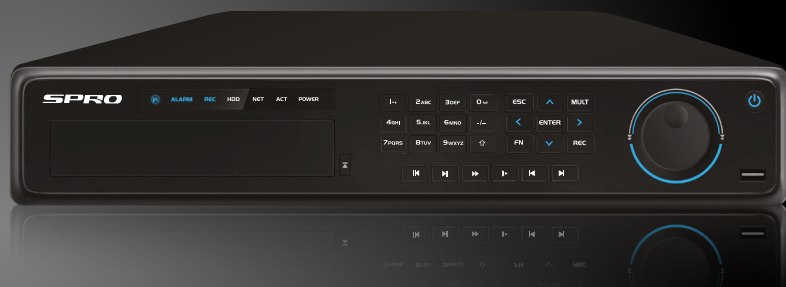




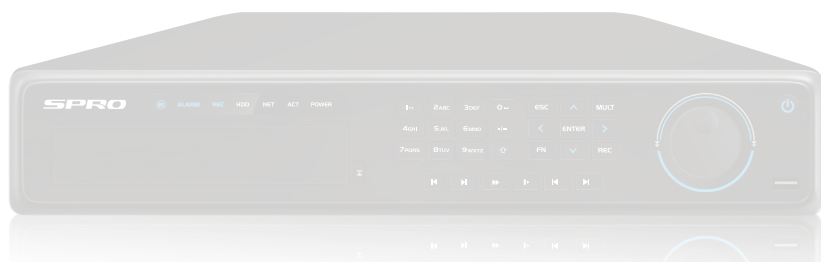
DHIPNVR64-A8-V2

64 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

Model Number	DHIPNVR64-A8-V2
Main Processor	Industrial-grade processor
Operating System	Embedded LINUX
Operating Interface	Web; Local GUI

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. 32 channel, 1 combined event per channel/s
Perimeter Protection	
Perimeter Performance AI (Recorder)	4 channels, 10 IVS rules for each channel/s
Perimeter Performance AI (Camera)	All channels (16 targets/s)
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	All channels (32 targets/s)

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

1. Create up to 20,000 plate numbers.

Database Capacity

2. Blocklist and allowlist

Audio and Video**Access Channel**

64 channels

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

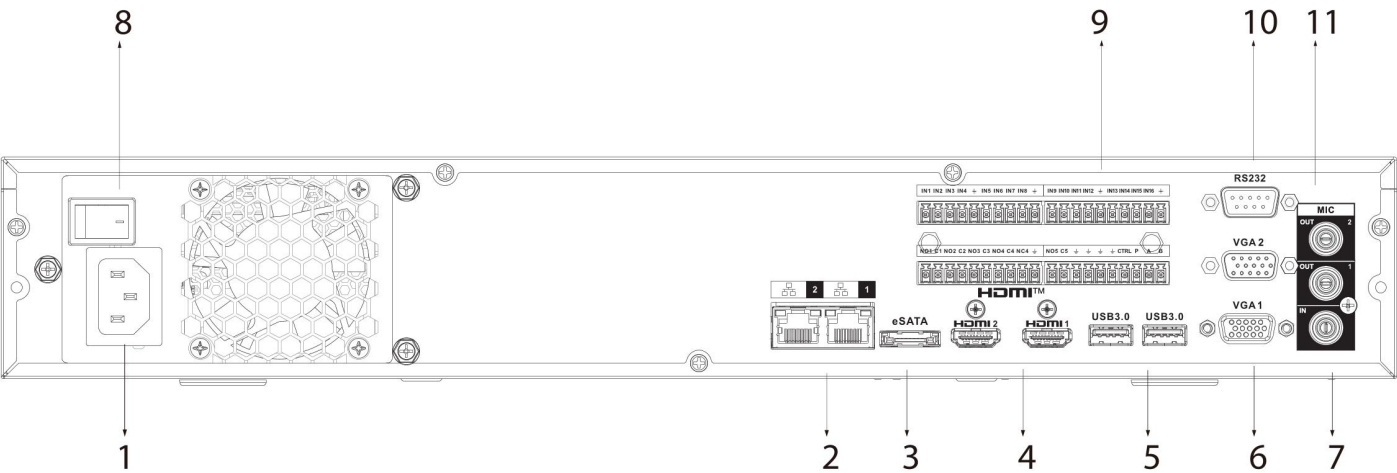
AI disabled: 2-channel 32 MP@25 fps; 2-channel 24 MP@25 fps; 4-channel 16 MP@30 fps; 5-channel 12 MP@30 fps; 8-channel 8 MP@30 fps; 10-channel 6 MP@30 fps; 12-channel 5 MP@30 fps; 16-channel 4 MP@30 fps; 32-channel 1080p@30 fps

AI enabled: 1-channel 32 MP@25 fps; 1-channel 24 MP@25 fps; 2-channel 16 MP@30 fps; 4-channel 12 MP@30 fps; 6-channel 8 MP@30 fps; 8-channel 6 MP@30 fps; 8-channel 5 MP@30 fps; 12-channel 4 MP@30 fps; 24-channel 1080p@30 fps

Video Output	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
Multi-screen Display	Main screen: 1/4/8/9/16/25/36/64 Sub screen: 1/4/8/9/16
Third-party Cameras Access	ONVIF; Panasonic; Sony; Axis; Arecont; Pelco; Canon;Hanwha
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 23.12(Profile T; Profile S; Profile G); CGI; SDK
Mobile Phone Access	Android and iOS
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; local alarm; alarm box; camera external alarm; network alarm; scene changing; PIR alarm; thermal 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 nonmotor vehicles) SMD Plus; stereo analysis; crowd distribution; people counting; ANPR; vehicle density; heat map
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 20 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	2 (10/100/1000 Mbps Ethernet port, RJ-45)
General	
Power Supply	100–240 VAC, 50–60 Hz
Power Consumption	Total output of NVR is ≤ 13 W (without HDD)
Net Weight	4.74 kg (10.45 lb)
Gross Weight	6.11 kg (13.47 lb)
Product Dimensions	440.0 mm × 415.1 mm × 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)
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

Panel



- | | | | |
|----|--------------------------|----|---------------|
| 1 | Power Input | 2 | Network Ports |
| 3 | eSATA Port | 4 | HDMI Ports |
| 5 | USB Ports | 6 | VGA Ports |
| 7 | AUDIO IN, RCA Connector | 8 | Power Switch |
| 9 | Alarm In/Out | 10 | RS-232 Port |
| 11 | AUDIO OUT, RCA Connector | | |