

**SPRO**<sup>®</sup>**IP**

# DHIPNVR16-A7

16 CHANNEL 4K IP NVR



16 CHANNELS



HDMI



VGA



PTZ CONTROL



H.265



IPHONE & ANDROID  
PHONE VIEWING



APPLE MAC  
VIEWING



USB BACKUP



## Key Features:

- H.265 codec recording
- Up to 16 megapixel live viewing & recording
- 16 x POE ports built-in
- Up to 256Mbps incoming bandwidth
- AI PRO technology (support AI by NVR)
- Face detection & recognition
- Human & vehicle classification
- HDMI (4K) & VGA output



## SPECIFICATIONS

<b>Model Number</b>	DHIPNVR16-A7
<b>Main Processor</b>	Industrial-grade processor
<b>Operating System</b>	Embedded LINUX
<b>Operating Interface</b>	Web; Local GUI

(continued)

AI	
<b>AI by Recorder</b>	Face detection, face recognition, perimeter protection, and SMD Plus
<b>AI by Camera</b>	Face detection; face recognition; perimeter protection; SMD Plus; stereo analysis; people counting; ANPR; heat map
Perimeter Protection	
<b>Perimeter Performance AI (Recorder)</b>	2 channels, 10 IVS rules for each channel
<b>Perimeter Performance AI (Camera)</b>	8 channels
Face Detection	
<b>Face Attributes</b>	Gender; age group; glasses; expressions; face mask; beard
<b>Face Detection Performance By Recorder</b>	1 channel (up to 12 face images/s each channel)
<b>Face Detection Performance By Camera</b>	8 channels
Face Recognition	
<b>Face Database Capacity</b>	Up to 10 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>	8-channel FD (by camera) + FR (by recorder), image stream: 2 face images/s 1-channel FD (by recorder) + FR (by recorder), video stream: 12 face images/s
<b>Face Recognition Performance of AI by Camera</b>	8 channels
SMD +	
<b>SMD + by Recorder</b>	4 channels: Secondary filtering for human and motor vehicle, reducing false alarms caused by leaves, rain and lighting condition change
<b>SMD + by Camera</b>	8 channels

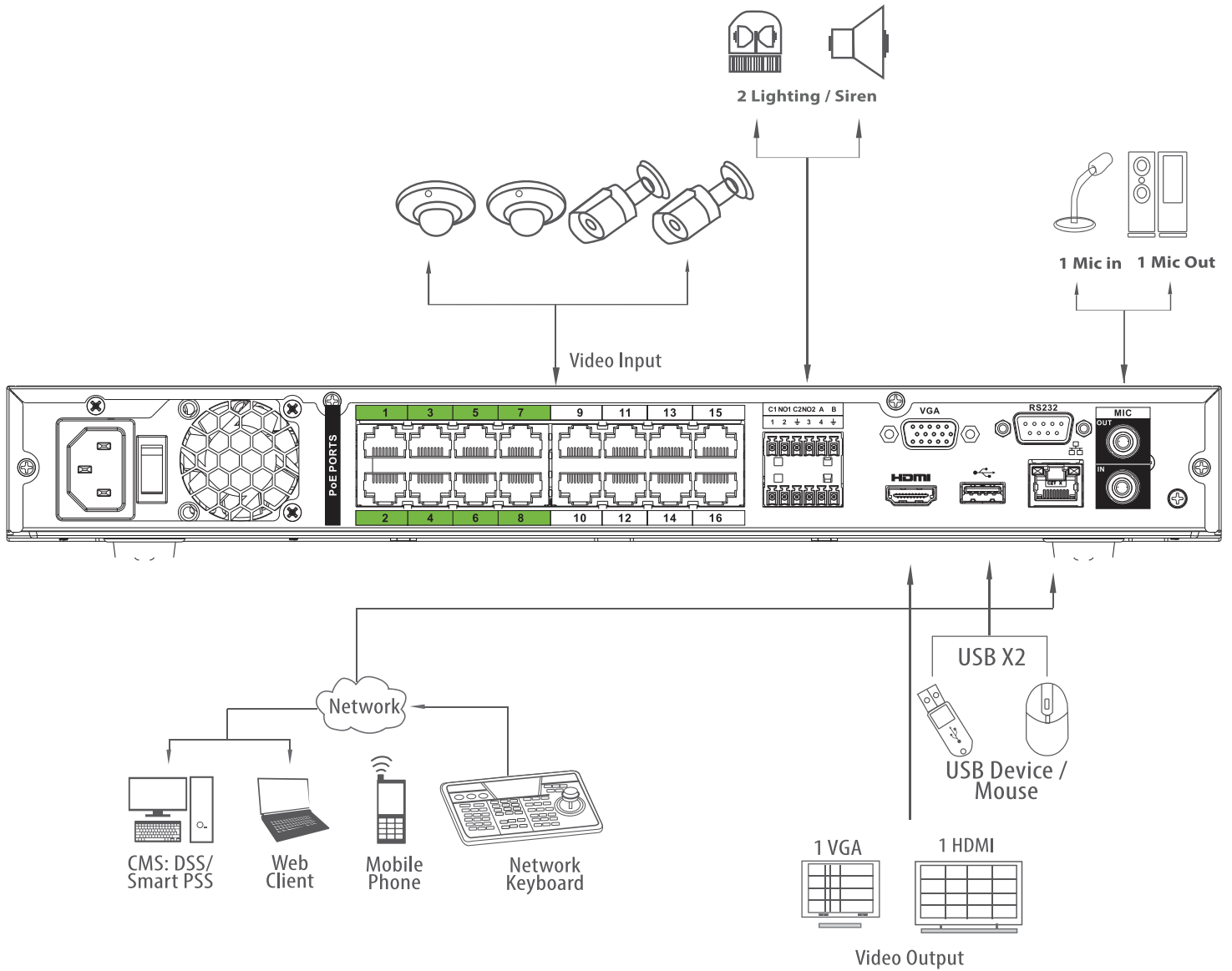
<b>ANPR</b>	
<b>ANPR by Camera</b>	4 channels
<b>Audio and Video</b>	
<b>Access Channel</b>	16 channels
<b>Network Bandwidth</b>	AI disabled: 256 Mbps incoming, 256 Mbps recording and 256 Mbps outgoing AI enabled: 180 Mbps incoming, 180 Mbps recording and 180 Mbps outgoing
<b>Resolution</b>	16 MP; 12 MP; 8 MP; 6 MP; 5 MP; 4 MP; 3 MP; 1080p; 960p; 720p; D1; CIF
<b>Decoding Capability</b>	AI disabled: 2-channel 16 MP@30 fps; 2-channel 12 MP@30 fps; 4-channel 8 MP@30 fps; 6-channel 5 MP@30 fps; 8-channel 4 MP@30 fps; 16-channel 1080p@30 fps AI enabled: 1-channel 16 MP@30 fps; 2-channel 12 MP@30 fps; 3-channel 8 MP@30 fps; 4-channel 5 MP@30 fps; 6-channel 4 MP@30 fps; 12-channel 1080p@30 fps
<b>Video Output</b>	1 HDMI, 1 VGA HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720 *Simultaneous/heterogeneous video sources output for VGA and HDMI is configurable.
<b>Multi-screen Display</b>	1st Screen: 1/4/8/9/16 - 2nd Screen: 1/4/8/9/16
<b>Third-party Camera 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; UPnP; SNMP; UDP; SMTP; NTP; DHCP; DNS; IP Filter; PPPoE; DDNS; FTP; Alarm Server; IP Search (Support Dahua IP camera; DVR; NVS; etc.); P2P; auto register
<b>Mobile Phone Access</b>	iOS; Android
<b>Interoperability</b>	ONVIF 22.06(Profile T; Profile S; Profile G); CGI; SDK
<b>Browser</b>	Chrome; IE9 and later; Firefox

(continued)

Recording Playback	
<b>Multi-channel Playback</b>	Up to 16 channels
<b>Record Mode</b>	General, motion detection; intelligent; alarm
<b>Backup Method</b>	USB device and network
<b>Playback Mode</b>	Instant Playback, general playback, event playback, tag playback, smart playback
Storage	
<b>Disk Group</b>	Yes
Alarm	
<b>General Alarm</b>	Motion detection; privacy masking; video loss; scene changing; PIR alarm; IPC external alarm
<b>Anomaly Alarm</b>	Camera disconnection; storage error; disk full; IP conflict; MAC conflict; login locked; and cybersecurity exception
<b>Intelligent Alarm</b>	Face detection; face recognition; perimeter protection; SMD Plus; people counting; stereo analysis; heat map
<b>Alarm Linkage</b>	Record; snapshot; IPC external alarm output; 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 16 TB. The maximum HDD capacity varies with environment temperature.
<b>RS-232</b>	1
<b>USB</b>	2 (1 front USB 2.0 port, 1 rear USB 2.0 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

<b>General</b>	
<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 130W,the maximum output power of a single port is 25.5W
<b>Net Weight</b>	2.60 kg (5.73 lb)
<b>Gross Weight</b>	3.80 kg (8.38 lb)
<b>Product Dimensions</b>	375.0 mm × 329.3 mm x 53.0 mm (14.76" × 12.96" × 2.09")
<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>	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

# Panels



All specifications are subject to change without notice. Copyright © Luxrite Ltd. All rights reserved