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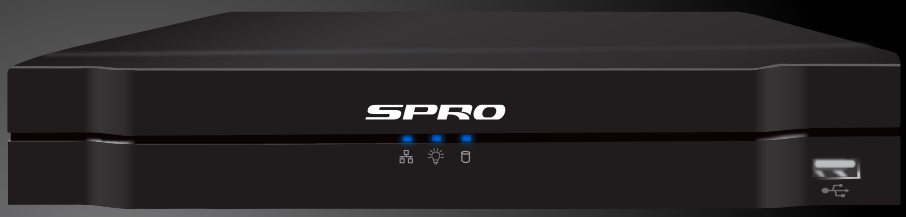
SPRO IP



DHIPNVR04-A5

4 Channel 4K IP NVR - 4 Ports PoE

4K ULTRA HD | FACE DETECTION | H.265 | PTZ CONTROL | VGA | HDMI | USB BACKUP

4K

ONVIF

Key Features:

- 4 channel IP input (4 x POE ports)
- Up to 12MP recording
- 4ch: 1080P decoding.
- 1-channel face detection and recognition (AI by NVR); 1-channel perimeter protection (AI by NVR); up to 10 face databases and 5,000 face images; 4-channel SMD Plus (AI by NVR);
- AI by camera: Face detection and recognition, perimeter protection, and SMD Plus
- Smart H.265+/H.265/Smart H.264+/H.264/MJPEG decoding format

SPECIFICATIONS

Model Number	DHIPNVR04-A5
Main Processor	Industrial-grade embedded processor
Operating System	Embedded Linux
Operation Interface	Web; local GUI
AI	
AI by Camera	Face detection; face recognition; perimeter protection; SMD Plus
AI by NVR	Face detection; face recognition; perimeter protection; SMD Plus

(continued)

Perimeter Protection	
Perimeter Performance AI by Device(Number of Channels)	1
Perimeter Performance of AI by Camera (Number of Channels)	4
Face Detection	
Face Attributes	6 attibutes: Gender; age group (6); glasses; expressions (8); mouth mask; beard
Face Detection Performance of AI by Device (1080P) (Number of Channels)	1 (up to 12 face images/second)
Face Detection Performance of AI by Camera (Number of Channels)	4
Face Recognition	
Face Database Capacity	Up to 10 face databases with 5,000 images
Face Recognition Performance of AI by Device (1080P) (Number of Channels)	1 (up to 4 face images/second)
Face Recognition Performance of AI by Camera (Number of Channels)	4
SMD Plus	
SMD Plus by NVR	4 channel
SMD Plus by Camera	4-channel SMD Plus (AI by camera): filters false alarms caused by leaves, raindrops and change of brightness
Video	
Access Channel	4 channels
Network Bandwidth	80 Mbps for access, 80 Mbps for storage and 60 Mbps for forwarding.
Resolution	12MP; 8MP; 5MP; 4MP; 3MP; 2MP; 720p; D1

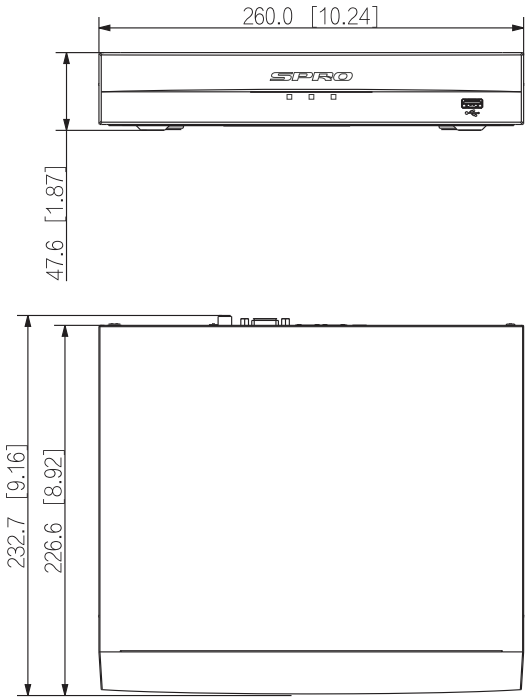
(continued)

Decoding Capability	AI disabled: 1-channel 12MP@30 fps; 1-channel 8MP@30 fps; 2-channel 5MP@30 fps; 3-channel 4MP@30 fps; 6-channel 1080p@30 fps AI enabled: 1-channel 8MP@30 fps; 1-channel 5MP@30 fps; fps; 2-channel 4MP@30 fps; 4-channel 1080p@30 fps
Video Output	1 × VGA, 1 × HDMI (simultaneous)
Multi-screen Display	1, 4 views
Third Party Camera Access	Onvif
Compression	
Video	Smart H.265+; H.265; Smart H.264+; H.264; MJPEG
Audio	PCM; G711A; G711U; G726
Network	
Network Protocol	HTTP; HTTPS; TCP/IP; IPv4; RTSP; UDP; NTP; DHCP; DNS; SMTP; UPnP; IP Filter; DDNS; Alarm Server; IP Search ; P2P;Auto Registration
Mobile Phone Access	Android; iOS
Interoperability	ONVIF (Profile T; profile S; profile G); CGI; SDK
Browser	Chrome; IE9 or later; Firefox
Record Playback	
Multi-channel Playback	Up to 4 channels
Record Mode	Manual record; alarm recordings; motion detection recordings; scheduled recordings
Storage	Local HDD and network
Backup	USB device
Playback Function	1. Play; pause; stop; fast forward; fast backward; rewind; play by frame 2. Full screen; backup (vide clip/file); partially zom in; audio on/off
Alarm	
General Alarm	Motion detection; privacy masking; video loss; PIR alarm; IPC alarm
Anomaly Alarm	Camera offline; storage error; disk full; IP conflict; MAC conflict; login lock; cyber security exception
Intelligent Alarm	Face detection; face recognition; perimeter protection (intrusion and tripwire); IVS; SMD Plus

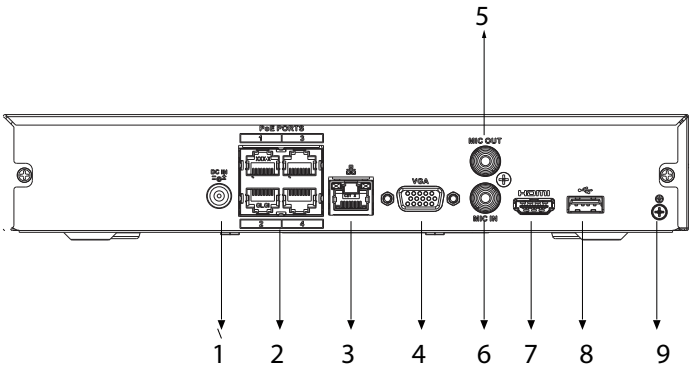
(continued)

Alarm Linkage	Recording; snapshot; buzzer; log; preset; email; tour
External Port	
HDD	1 SATA port, up to 10 TB. The maximum HDD capacity varies with environment temperature
USB	1 × front USB2.0; 1 × back USB2.0
HDMI	1 (max. resolution: 4K)
VGA	1
Network	1x RJ-45, 10/100/1000 Mbps
PoE	4x PoE ports, 10/100 Mbps
RCA Input	1
RCA Output	1
General Parameter	
Power Supply	53VDC, 1.13A
Power Consumption	Total output of NVR is ≤ 10W (without HDD)Total output power of PoE is 72W, the maximum output power of asingle port is 25.5W
Net Weight	0.86 kg (1.90 lb)
Gross Weight	1.86 kg (4.10 lb)
Product Dimensions	260 mm × 232.7 mm × 47.6 mm (10.24" × 9.16" × 1.87") (W × L × H)
Operating Temperature	–10 °C to +55 °C (+14 °F to +131 °F)
Storage Temperature	0 °C to 40 °C (32 °F to 104 °F)
Operating Humidity	10%–93%
Storage Humidity	30%–85%
Operating Altitude	3,000 m (9,842.52 ft)
Installation	Desktop
Certifications	FCC:47 CFR FCC Part15,SubpartB,Class A CE-EMC:EN 55032:2015,Class A;EN IEC 61000-3-2:2019; EN 61000-3-3:2013+A1:2019;EN 55024:2010+A1:2015; EN 55035:2017;EN 50130-4:2011+A1:2014 CE-LVD:EN 62368-1:2014+A11:20171234678951Power

Dimensions (mm[inch])



Panels



Power Input	2	PoE Ports
Network Port	4	VGA Port
AUDIO OUT, RCA Connector	6	AUDIO IN, RCA Connector
HDMI Port	8	USB Port
Ground		

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