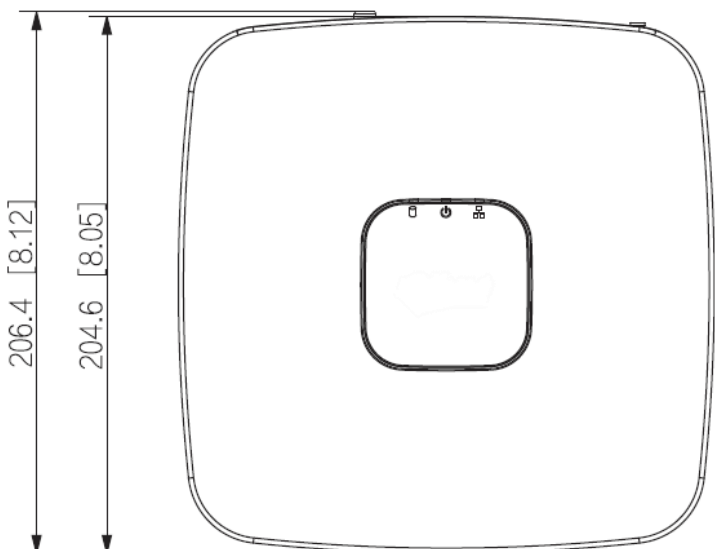
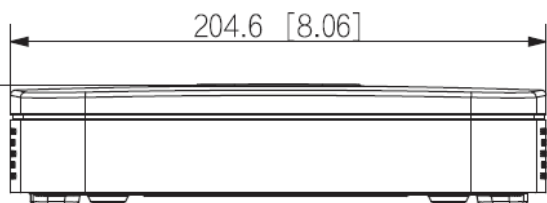


# N-AI4 PRO

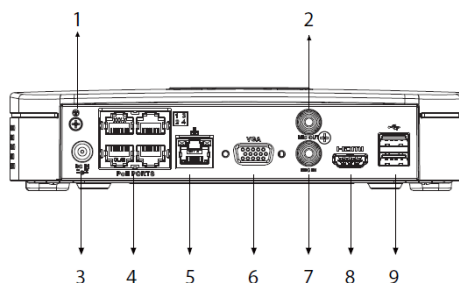
4 Channels 4 PoE 1HDD Network Video Recorder



## Dimensions mm (inch)



## Panels



- |   |                         |   |                          |
|---|-------------------------|---|--------------------------|
| 1 | Ground                  | 2 | AUDIO OUT, RCA Connector |
| 3 | Power Input             | 4 | PoE Ports                |
| 5 | Network Port            | 6 | VGA Port                 |
| 7 | AUDIO IN, RCA Connector | 8 | HDMI Port                |
| 9 | USB Ports               |   |                          |

## Technical Specification

### System

Main Processor	Industrial-grade embedded processor
Operating System	Embedded Linux
Operating Interface	Web, Local GUI

### AI

AI by Camera	Face detection; face recognition; perimeter protection; SMD Plus
AI by Device	Face detection; face recognition; perimeter protection; SMD Plus;

### Perimeter Protection

Perimeter Performance AI by Device (Number of Channels)	1
Perimeter Performance of AI by Camera (Number of Channels)	4

## Technical Specification

### Face Detection

Face Attributes	6 attributes: 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)	1

### SMD Plus

SMD Plus by Device	4
SMD Plus by Camera	4-channel SMD Plus (AI by camera): Detects tripwire and intrusion of human or vehicle; filters false alarms caused by leaves, raindrops and change of brightness away

### 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
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; 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; RTSP;

### 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 (Supports Dahua IP camera, DVR, NVS, etc.); 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 zoom 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
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	2 rear USB 2.0 ports
HDMI	1 (max. resolution: 4K)
VGA	1
Network	1 × RJ-45 (10 or 100 Mbps)
PoE	4 × PoE ports, 10/100 Mbps
RCA Input	1
RCA Output	1

## Technical Specification

### General

Power Supply	53 V DC, 1.13 A
Power Consumption	Total output of NVR is $\leq 10W$ (without HDD) Total output power of PoE is 38W, the maximum output power of a single port is 25.5W
Net Weight	0.50 kg
Gross Weight	1.43 kg
Product Dimensions	204.6 mm $\times$ 206.4 mm $\times$ 45.6 mm (W $\times$ L $\times$ H)
Packaging Dimensions	96 mm $\times$ 364 mm $\times$ 261 mm (W $\times$ L $\times$ H)
Operating Temperature	-10 °C to +55 °C
Storage Temperature	0 °C to 40 °C
Operating Humidity	10%–93% (RH)
Storage Humidity	30%–85%
Operating Altitude	3,000 m
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+A11:2017