

Tech specs

BASELINE

NVR H2D8PAC (16-ch)

16-channel network video recorder with 4K HDMI output, 8 PoE ports, and support for 2 hot-swappable HDDs



Video

Video input

16 channels

Recording resolution

12 MP, 8 MP, 6 MP, 5 MP, 4 MP, 3 MP, 1080p, UXGA, 720p, VGA, 4CIF, DCIF, 2CIF, CIF, QCIF

HDMI output resolution

3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720 px

Live view / playback resolution

12 MP, 8 MP, 6 MP, 5 MP, 4 MP, 3 MP, 1080p, 720p, D1, VGA, CIF

Decoding

Format

H.265, H.264, JetSparrow

Capability

- 2 × channel at 4096 × 4096 px (25 fps)
- 4 × channel at 3840 × 2160 px (25 fps)
- 8 × channel at 2880 × 1620 px (25 fps)
- 10 × channel at 2560 × 1440 px (25 fps)

Live view window division

templates: 1, 4, 9, 16, 25, 5+1, 7+1, 12+1 views

custom: up to 10×10 views

Synchronous playback

4 channels

Intelligent video analytics

Motion detection

Ajax camera: 16 channels

NVR: 16 channels

NVR features built-in software to detect movement in the frame. It is possible to switch between image analysis by NVR or camera algorithms in an Ajax app.

Interface

HDD/SSD

2 × SATA III: supports drives with up to 16 TB capacity (2.5" and 3.5" form factors)

Supports full hot-swap functionality. HDDs or SSDs are not included.

Network

1 × RJ45 self-adaptive Ethernet (10/100/1000 Mbps)

8 × 802.3af/at PoE RJ45 fast Ethernet (10/100 Mbps)

USB

rear panel: 2 × USB 2.0 (Type-A)

For connecting a keyboard, mouse, or USB Audio Device Class devices (Audio IN/Audio OUT).

front panel: 1 × USB 2.0 (Type-A)

To connect a USB flash drive.

PoE standard

PoE port

8 × IEEE 802.3af/at (Alternative A, power over data pairs)

Maximum power per port

up to 25 W

Total power budget

up to 160 W

Network

Bandwidth

incoming: up to 160 Mbps

outgoing: up to 160 Mbps

Protocol

HTTP, HTTPS, TCP/IP, IPv4, IPv6, UPnP, SNMP, RTSP, UDP, SMTP, NTP, DHCP, DNS, DDNS

Interoperability

ONVIF

Key features

Supported devices

- [Ajax cameras](#)
- IP cameras via ONVIF (Profile S/T) or RTSP

Redundancy mode

Simultaneous recording of the same video streams to two storage devices to ensure data redundancy and reliability.

Split mode

Sequentially distributes video streams across multiple storage devices to balance the load and optimize storage.

Built-in video management system

- Integrated video wall interface with live camera feeds.
- Smart event filters for quick access to relevant video recordings.
- Interactive timeline with preview navigation for efficient playback and incident review.

Visual verification of Ajax system alarms

NVR supports a scenario in which events triggered by Ajax detectors automatically highlight the corresponding camera feed on the video wall. This allows an operator to immediately verify the intrusion.

Privacy

Advanced privacy controls ensure a high level of personal data protection. All access rights — including those for mobile app users, installers, and monitoring company operators via Ajax PRO Desktop — are fully configurable by the device owner. This guarantees that only authorized parties can access video streams, event history, or device settings in accordance with the owner's preferences.

Accelerometer

alarm when NVR is moved

Recommendations

The device's operating voltage is 100–240 V~.

The device is designed for indoor installation only.

Power supply

Main

100–240 V, 50/60 Hz, 5 A

Power consumption

up to 280 W

Clock battery

CR2032 battery, 3 V

Only to power the system clock.

Enclosure

Dimensions

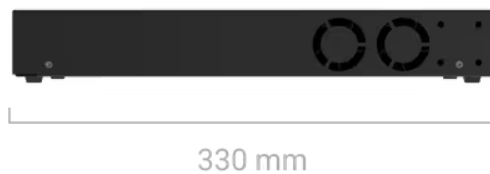
330 × 330 × 44 mm



Weight

3.26 kg

Without drives.



Operating temperature range

from 0 °C to +50 °C

Operating humidity

up to 75%

Protection class

IP20

Color

Black



White



Complete set

NVR H2D8PAC (16-ch)

2 × rack-mount brackets

Power cable

Ethernet cable

Installation kit

Quick start guide

Additional information

Compliance with standards

Learn more >

User manual

Learn more >

Warranty

24 months

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