

## Tech specs

BASELINE

# NVR H2D16PAC (16-ch)

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



## Video

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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

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## 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

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## 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.

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## 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)

16 × 802.3af/at PoE RJ45 fast Ethernet (10/100 Mbps)

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front panel: 1 × USB 2.0 (Type-A)

To connect a USB flash drive.

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## PoE standard

### PoE port

16 × 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

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## Network

### Bandwidth

incoming: up to 160 Mbps

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# ONVIF®

conformant with ONVIF® Profile S

The device implements ONVIF® H.265 (HEVC) encoding, transmission of motion detection events, control over Wide Dynamic Range (WDR), and other image settings – not ONVIF® profile or add-on conformant.

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## Key features

### Supported devices

- [Ajax cameras](#)
- IP cameras that conform to ONVIF® Profiles
- 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

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## 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.

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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.

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## Enclosure

### Dimensions

12.99" × 12.99" × 1.73"

### Weight

7.3 lb

Without drives.

### Operating temperature range

from 32 °F to 122 °F

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IP20

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## Color

Black

White

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## Complete set

NVR H2D16PAC (16-ch)

2 × rack-mount brackets

Power cable

Ethernet cable

Installation kit

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NVR H2D16PAC (16-ch)



## Additional information

### Compliance with standards

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### User manual

[Learn more](#) >

### Warranty

24 months

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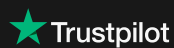
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✉ support@ajax.systems

📍 @AjaxSystemsSupport\_Bot

💬 Ask a question



Rating 4.8

4,500,000

people worldwide under Ajax protection

💡 Suggest a feature



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Intrusion protection

Video surveillance

Fire and life safety

Comfort and automation

All products

Services

System integrations

Ajax Ready products

Fibra wired protocol

Ajax radio protocols

## Software

Ajax Security System

Ajax PRO: Tool for Engineers

Ajax Desktop

Ajax PRO Desktop

Ajax Response

Ajax TV

Ajax Translator PRO

Ajax Cloud Signaling

Ajax Media Player

Scenarios



Available on  
App Store



Available on  
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## Solutions

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