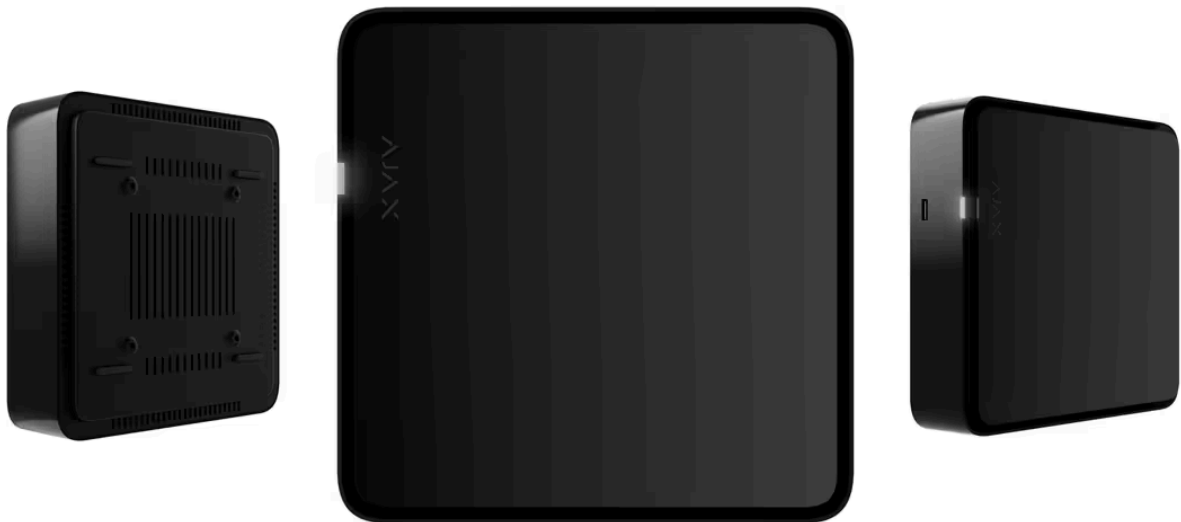


Tech specs

BASELINE

NVR HDC (16-ch)

16-channel network video recorder with HDMI output, powered by a low-voltage power supply



Video

Video input

16 channels

Recording resolution

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

HDMI output resolution

1920 × 1080, 1600 × 1200, 1280 × 1024, 1280 × 720 px

Live view / playback resolution

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

Decoding

Format

H.265, H.264, JetSparrow

Capability

- 1 × channel at 8MP
- 3 × channel at 5MP
- 4 × channel at 4MP
- 4 × channel at 1080p
- 10 × channel at 720p
- 16 × channel at 1024 × 576 px

The width or height of the camera video resolution (each channel) cannot exceed 4096 pixels.

Live view window division

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

custom: up to 10×10 views

Synchronous playback

16 channels

Intelligent video analytics

Motion detection

Ajax camera: 16 channels

NVR: 16 channels

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

AI object detection

Ajax camera: 16 channels

Interface

HDD/SSD

1 × SATA: supports drive with up to 16 TB capacity (2.5" or 3.5" form factor)

HDD or SSD is not included.

[Learn more](#) >

Network

1 × RJ-45 self-adaptive Ethernet (10/100 Mbps)

USB

rear panel: 1 × USB 2.0 (Type-A)

side panel: 1 × USB 2.0 (Type-A)

To connect a keyboard, mouse, or a USB flash drive.

Network

Bandwidth

incoming: up to 80 Mbps

outgoing: up to 40 Mbps

Protocol

HTTP, HTTPS, TCP/IP, IPv4, RTSP, UDP, DHCP, DNS

Interoperability

ONVIF

Key features

Supported devices

- [Ajax cameras](#)

- IP cameras using ONVIF (Profile S/T) or RTSP

Built-in video management system

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

Visual verification of Ajax system alarms

NVR HDC supports a scenario in which events triggered by Ajax detectors automatically highlight the corresponding camera feed on the video wall. This allows for immediate intrusion verification by the operator.

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.

Recommendations

The device operating voltage is 8–16 V_{DC}.

The device is designed for indoor installation only.

Power supply

Without a jumper installed on the PSU board

- 8–16 V_{DC}, up to 4 A
- turn-on threshold: 8.1 V_{DC} ±0.1 V_{DC} (when voltage rises)
- turn-off threshold: 6.8 V_{DC} ±0.5 V_{DC} (when voltage drops)

With a jumper installed on the PSU board

- 12.4–16 V_{DC}, up to 4 A
- turn-on threshold: 12.5 V_{DC} ±0.1 V_{DC} (when voltage rises)
- turn-off threshold: 10.5 V_{DC} ±0.4 V_{DC} (when voltage drops)

Power consumption

up to 24 W

Clock battery

CR2032 battery, 3 V

Only to power the system clock.

Sabotage protection

Accelerometer

alerts on attempts to move or dismount the device

Enclosure

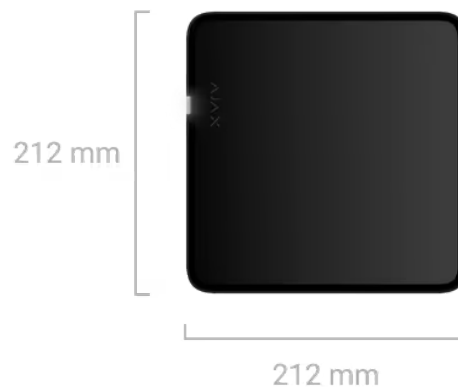
Dimensions

212 × 212 × 64 mm

Weight

752 g

Without a drive.



Operating temperature range

from 0 °C to +40 °C

Operating humidity

up to 75%



Protection class

IP20

Color

Black

White



Complete set

NVR HDC (16-ch)

SmartBracket mounting panel

Terminal adapter

Ethernet cable

Installation kit

Quick start guide

Certification and compliance with standards



NVR HDC (16-ch)



Additional information

Compliance with standards

Learn more >

Warranty

24 months

Learn more >

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Ajax Cloud Signaling

Ajax Media Player

Scenarios



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Upgrades and retrofits

Why Ajax

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Support

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Compliance with standards

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