

Tech specs

AJAX SUPERIOR

Ajax Superior NVR H2DAI2GAC (32-ch)

32-channel AI-powered network video recorder with 4K HDMI output, 2 Gigabit Ethernet ports, and support for 2 hot-swappable HDDs



Video

We value your privacy

This website or its third-party tools process personal data. You can opt out of the sale of your personal information by clicking on the "Do Not Sell My Personal Information" link.

[Do Not Sell My Personal Information](#)



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)
- 18 × channel at 1920 × 1080 px (25 fps)
- 24 × channel at 1280 × 720 px (25 fps)
- 32 × channel at 1024 × 576 px (25 fps)

We value your privacy

This website or its third-party tools process personal data. You can opt out of the sale of your personal information by clicking on the "Do Not Sell My Personal Information" link.

- 5 × channel at 2560 × 1440 px (25 fps)
- 9 × channel at 1920 × 1080 px (25 fps)
- 12 × channel at 1280 × 720 px (25 fps)
- 16 × channel at 1024 × 576 px (25 fps)

These capability values apply when the **Object detection** function is enabled.

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: 32 channels

Ajax NVR: 32 channels

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

We value your privacy

This website or its third-party tools process personal data. You can opt out of the sale of your personal information by clicking on the "Do Not Sell My Personal Information" link.

AI analytics on third-party cameras

up to 12 channels

Interface

HDD/SSD

2 × SATA III: supports drives with up to 24 TB capacity (2.5" and 3.5" form factors)

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

Network

2 × RJ-45 (WAN and LAN) self-adaptive Ethernet (10/100/1000 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 3.0 (Type-A)

To connect a USB flash drive.

We value your privacy

This website or its third-party tools process personal data. You can opt out of the sale of your personal information by clicking on the "Do Not Sell My Personal Information" link.

outgoing: up to 384 Mbps

Protocol

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

ONVIF®

conformant with ONVIF® Profile S

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

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.

We value your privacy

This website or its third-party tools process personal data. You can opt out of the sale of your personal information by clicking on the "Do Not Sell My Personal Information" link.

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

Ajax 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 persons can access video streams, event history, or device settings in accordance with the owner's preferences.

Accelerometer

alarm when Ajax NVR is moved

Recommendations

We value your privacy

This website or its third-party tools process personal data. You can opt out of the sale of your personal information by clicking on the "Do Not Sell My Personal Information" link.

Power supply

Main

100–240 V, 50/60 Hz, 1.5 A

Power consumption

up to 60 W

Clock battery

CR2032 battery, 3 V

Only to power the system clock.

Enclosure

Dimensions

12.99" × 12.99" × 1.73"

Weight

6 lb

We value your privacy

This website or its third-party tools process personal data. You can opt out of the sale of your personal information by clicking on the "Do Not Sell My Personal Information" link.

Operating humidity

up to 75%

Protection class

IP20

Color

Black

White

Complete set

Ajax Superior NVR H2DAI2GAC (32-ch)

Complete set with 16x 3MP camera

We value your privacy

This website or its third-party tools process personal data. You can opt out of the sale of your personal information by clicking on the "Do Not Sell My Personal Information" link.

Certification and compliance with standards

Ajax Superior NVR H2DAI2GAC (32-ch)



Additional information

Compliance with standards

Learn more 

User manual

Learn more 

Warranty

24 months

Learn more 

Subscribe

We value your privacy

This website or its third-party tools process personal data. You can opt out of the sale of your personal information by clicking on the "Do Not Sell My Personal Information" link.

Subscribe

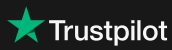
Request extra help

+18334294824

support@ajax.systems

@AjaxSystemsSupport_Bot

Ask a question



Rating 4.8

4,500,000

people worldwide under Ajax protection

Suggest a feature



Products

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

We value your privacy

This website or its third-party tools process personal data. You can opt out of the sale of your personal information by clicking on the "Do Not Sell My Personal Information" link.

[Wireless Grade 3 solution](#)

[Wired Grade 3 solution](#)

[Video surveillance solution](#)

[Integration with Yale smart locks](#)

[Water damage prevention](#)

[Upgrades and retrofits](#)

[How it works](#)

Tools

[Ajax device compatibility](#)

[CMS software compatibility](#)

[Ajax Services availability](#)

[Video storage calculator](#)

[Video device calculator](#)

[Battery life calculator](#)

[Radio communication range calculator](#)

[Switches and outlets configurator](#)

[Fibra power supply calculator](#)

[All web tools](#)

Monitoring solutions and integrations

[Intrusion alarm monitoring](#)

[Video monitoring and visual alarm verification](#)

[Audio alarm verification](#)

Company

[Blog](#)

[About us](#)

[Press page](#)

[Events](#)

[Career](#)

[Ajax Next](#)

[Ajax PRO channel](#)

[Reviews and feedback](#)

For partners

[For partners](#)

[Ajax Academy](#)

[Partner Portal](#)

[Ajax PRO channel](#)

[!\[\]\(735ceeed4e566aa93749bb6365185b00_img.jpg\) United States](#) [Privacy policy](#) [Report a vulnerability](#) [GDPR White Paper](#) [NDAA Statement](#)

[Do Not Sell My Personal Information](#) [Anti-Spam Policy](#) [Ajax Services T&C](#) [End user agreement](#) [Warranty](#)

© 2026 AJAX SYSTEMS CH. All rights reserved.

We value your privacy

This website or its third-party tools process personal data. You can opt out of the sale of your personal information by clicking on the "Do Not Sell My Personal Information" link.