

## NVR H2D series

Network video recorders with 4K HDMI output, up to 16 PoE ports, and support for 2 hot-swappable HDDs



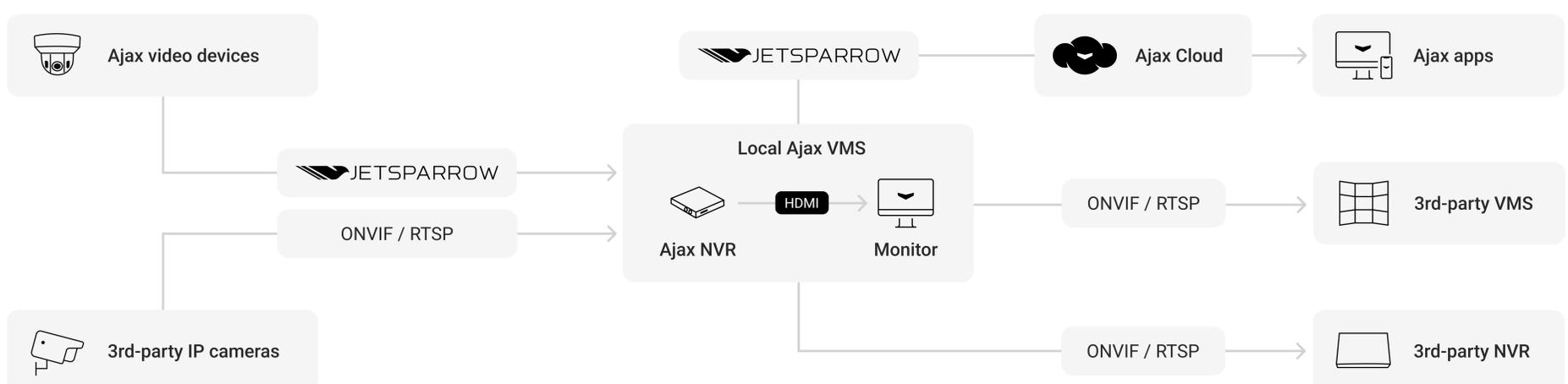
Double the storage. Double the confidence.

Ajax network video recorders integrate Ajax video devices and third-party IP cameras into a single ecosystem. NVR H2D series recorders support two hot-swappable HDDs – ideal for facilities that require a deeper archive and reliable data backup. Equipped with PoE<sup>1</sup> ports, the NVRs can directly connect and power up to 16 IP cameras. The system adapts to specific monitoring needs: video can be managed remotely via Ajax apps or on-site with the built-in VMS.

### Explore NVR H2D series

| Product versions     | HDD support | Channels | PoE | HDMI | Ethernet     | USB     |
|----------------------|-------------|----------|-----|------|--------------|---------|
| NVR H2DAC (8-ch)     | 2           | 8        | ✘   | 4K   | up to 1 Gbps | 3 × 2.0 |
| NVR H2DAC (16-ch)    | 2           | 16       | ✘   | 4K   | up to 1 Gbps | 3 × 2.0 |
| NVR H2D8PAC (8-ch)   | 2           | 8        | 8   | 4K   | up to 1 Gbps | 3 × 2.0 |
| NVR H2D8PAC (16-ch)  | 2           | 16       | 8   | 4K   | up to 1 Gbps | 3 × 2.0 |
| NVR H2D16PAC (16-ch) | 2           | 16       | 16  | 4K   | up to 1 Gbps | 3 × 2.0 |

### Flexible video surveillance for any scale and scenario

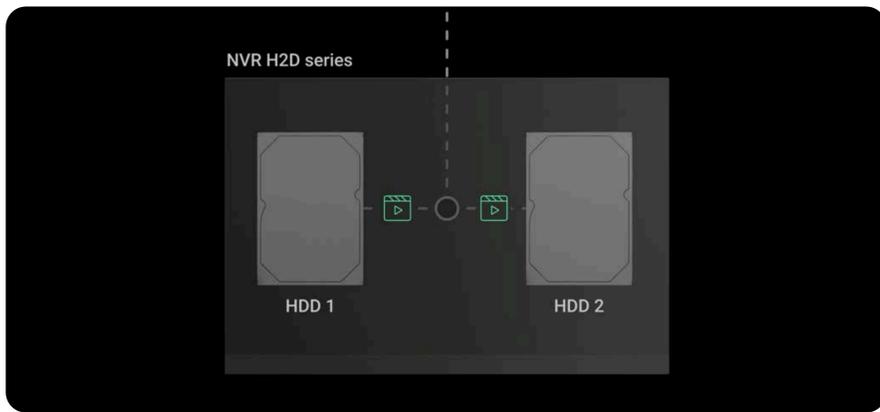


### Always-on recording without service breaks

All devices in the NVR H2D series deliver continuous recording, even during maintenance. They support hot swapping, so installed HDDs can be replaced at any time without shutting down the recorder.

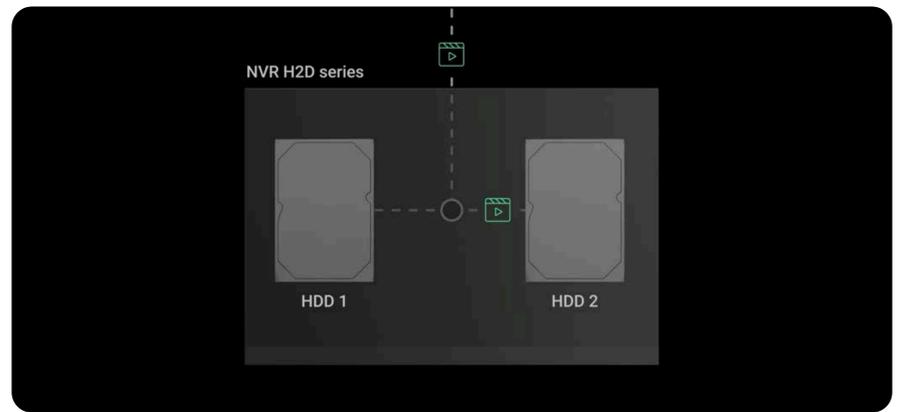
## Full story preserved with two-drive recording

NVR H2D series offers two recording modes designed to enhance system resilience. Both minimize the risk of data loss if one drive fails, always preserving sufficient context of recorded events.



### Redundancy mode

Footage is duplicated across both hard drives to ensure a full backup.



### Split mode

Footage is recorded alternately in equal segments across both hard drives, optimizing storage capacity and balancing HDD load.

## Local video management experience

- On-site video surveillance without an internet connection
- Local video management and archive access
- Customizable virtual video wall and slideshow mode
- 4K HDMI port for connecting a display
- Three USB 2.0 ports for a keyboard, mouse, or flash drive

## Remote video management via Ajax apps

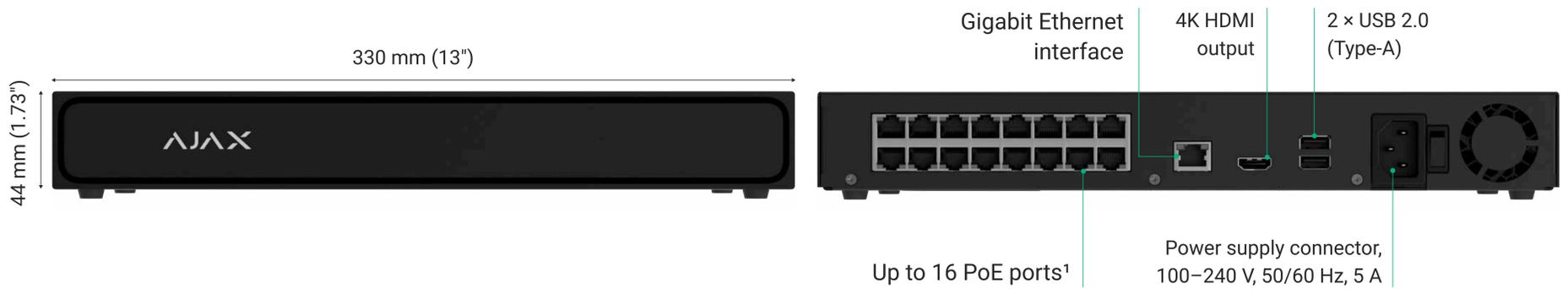
- Proprietary JetSparrow technology for instant, encrypted video streaming and smooth archive navigation
- Archive synchronization with security system events
- High-resolution visual verification of alarms via video scenarios
- Instant transition from notifications to on-site video recordings
- Fast archive navigation using event timeline, calendar view, and search filters

## Robust security without privacy compromises

- TLS-encrypted video streams
- User-controlled access to video content
- Passwordless camera authentication
- Secure video export with digital signature verification
- Multi-tiered account protection: passcodes, biometrics, and two-factor authentication
- Session control for additional account safety
- Exclusive owner access to content stored on hard drives
- NDAA compliance

## Easy installation and maintenance

- PoE ports for effortless camera connection
- Option for rack mounting with the ready-to-use kit
- Adding to an Ajax system via QR code
- Remote control and configuration via Ajax apps
- Configurable motion detection zones for connected cameras
- Support for ONVIF/RTSP authorization
- Automatic search for available cameras on the local network
- Support for two hot-swappable HDDs
- Real-time NVR health monitoring, including HDD state



HDMI cable and HDDs are not included in the complete set.

|   |  |   |   |   |  |  |   |   |
|---|--|---|---|---|--|--|---|---|
| <p><b>Ports</b></p> <p><b>PoE+</b><br/>up to 16 ports</p> <p><b>4K HDMI</b></p> <p><b>Ethernet</b><br/>RJ45</p> <p><b>USB</b><br/>3 × USB 2.0 (Type-A)<br/>To connect an interface device (e.g., mouse, keyboard, etc.) or a flash drive</p>  | <p><b>Video stream</b></p> <p><b>IP cameras</b><br/>ONVIF<sup>2</sup><br/>RTSP</p> <p><b>Storage</b><br/>two hard drives with up to 16 TB capacity (SATA connectivity, 3.5" size)<br/>HDDs are not included in the complete set</p> <p><b>Decoding formats</b><br/>H.265/H.264</p> <p><b>Bandwidth</b><br/>incoming: up to 160 Mbps<br/>outgoing: up to 160 Mbps</p> | <p><b>Key features</b></p> <p><b>JetSparrow</b><br/>Proprietary Ajax protocol for fast and secure video transmission</p> <p><b>Motion detection</b><br/>Built-in software to detect movement in the frame</p> <p><b>Built-in video management system</b></p> <p><b>Visual verification of system alarms</b></p> |   |   |  |  |   |   |
| <p><b>Power supply</b></p> <table border="0" style="width: 100%;"> <tr> <td style="width: 33%;"> <p>NVR H2DAC (8-ch)<br/>NVR H2DAC (16-ch)</p> </td> <td style="width: 33%;"> <p><b>Main</b><br/>100–240 V, 50/60 Hz, 0.6 A</p> </td> <td style="width: 33%;"> <p><b>Power consumption</b><br/>up to 85 W</p> </td> </tr> <tr> <td> <p>NVR H2D8PAC (8-ch)<br/>NVR H2D8PAC (16-ch)<br/>NVR H2D16PAC (16-ch)</p> </td> <td> <p><b>Main</b><br/>100–240 V, 50/60 Hz, 5 A</p> </td> <td> <p><b>Power consumption</b><br/>up to 320 W</p> </td> </tr> </table> |  |   | <p>NVR H2DAC (8-ch)<br/>NVR H2DAC (16-ch)</p> | <p><b>Main</b><br/>100–240 V, 50/60 Hz, 0.6 A</p> | <p><b>Power consumption</b><br/>up to 85 W</p> | <p>NVR H2D8PAC (8-ch)<br/>NVR H2D8PAC (16-ch)<br/>NVR H2D16PAC (16-ch)</p> | <p><b>Main</b><br/>100–240 V, 50/60 Hz, 5 A</p> | <p><b>Power consumption</b><br/>up to 320 W</p> |
| <p>NVR H2DAC (8-ch)<br/>NVR H2DAC (16-ch)</p>   | <p><b>Main</b><br/>100–240 V, 50/60 Hz, 0.6 A</p>  | <p><b>Power consumption</b><br/>up to 85 W</p>  |   |   |  |  |   |   |
| <p>NVR H2D8PAC (8-ch)<br/>NVR H2D8PAC (16-ch)<br/>NVR H2D16PAC (16-ch)</p>  | <p><b>Main</b><br/>100–240 V, 50/60 Hz, 5 A</p>  | <p><b>Power consumption</b><br/>up to 320 W</p>   |   |   |  |  |   |   |
| <p><b>Installation</b></p> <p><b>Operating temperature</b><br/>0 °C to +50 °C<br/>32 °F to 122 °F</p> <p><b>Operating humidity</b><br/>up to 75%</p> <p><b>Protection class</b><br/>IP20</p>  | <p><b>Enclosure</b></p> <p><b>Dimensions</b><br/>330 × 330 × 44 mm<br/>13" × 13" × 1.73"</p> <p><b>Weight</b><br/>3,300 g<br/>116.4 oz<br/>Without hard drives</p> <p><b>Colors</b><br/>black, white</p>   | <p><b>Complete set</b></p> <p>NVR<br/>2 × rack-mount bracket<br/>Power cable<br/>Ethernet cable<br/>Installation kit<br/>Quick start guide</p>  |   |   |  |  |   |   |

<sup>1</sup> PoE ports are available for NVR H2D8PAC (8-ch), NVR H2D8PAC (16-ch), and NVR H2D16PAC (16-ch).

<sup>2</sup> NVR H2D series devices support ONVIF Profile S, as well as some features of Profiles T and M.



For detailed information, scan the QR code or follow the link:  
[ajax.systems/products/nvr-h2d/manuals/](https://ajax.systems/products/nvr-h2d/manuals/)

- support@ajax.systems
- @AjaxSystemsSupport\_Bot
- ajax.systems