

NVR H2D series



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



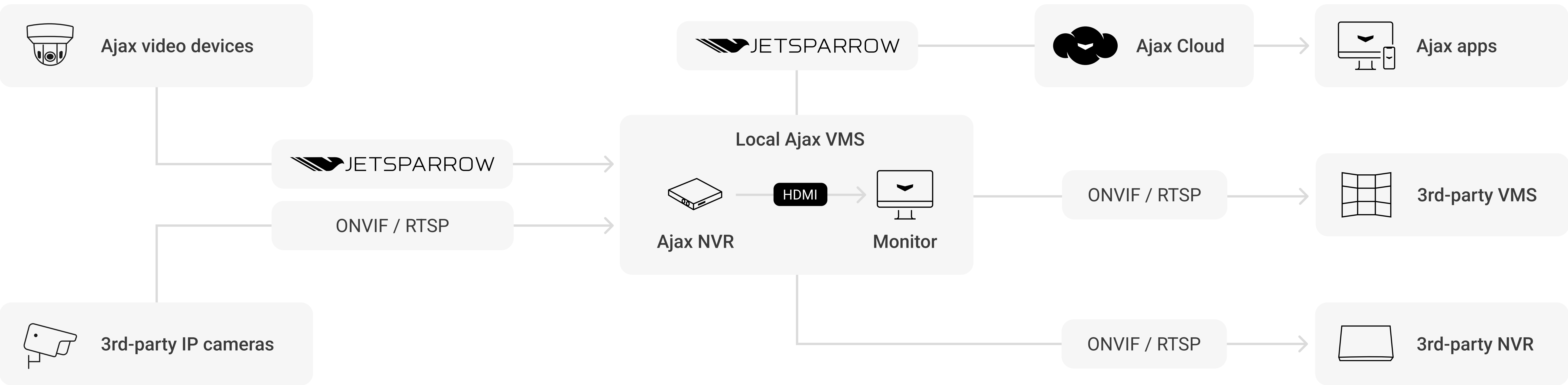
 Double the storage. Double the confidence.

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 PoE¹ 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

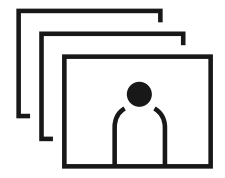
Product versions	HDD support	Channels	PoE	HDMI	Ethernet	USB
NVR H2DAC (8-ch)	2	8		4K	up to 1 Gbps	3 × 2.0
NVR H2DAC (16-ch)	2	16		4K	up to 1 Gbps	3 × 2.0
NVR H2D8PAC (8-ch)	2	8	8	4K	up to 1 Gbps	3 × 2.0
NVR H2D8PAC (16-ch)	2	16	8	4K	up to 1 Gbps	3 × 2.0
NVR H2D16PAC (16-ch)	2	16	16	4K	up to 1 Gbps	3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

Flexible video surveillance for any scale and scenario



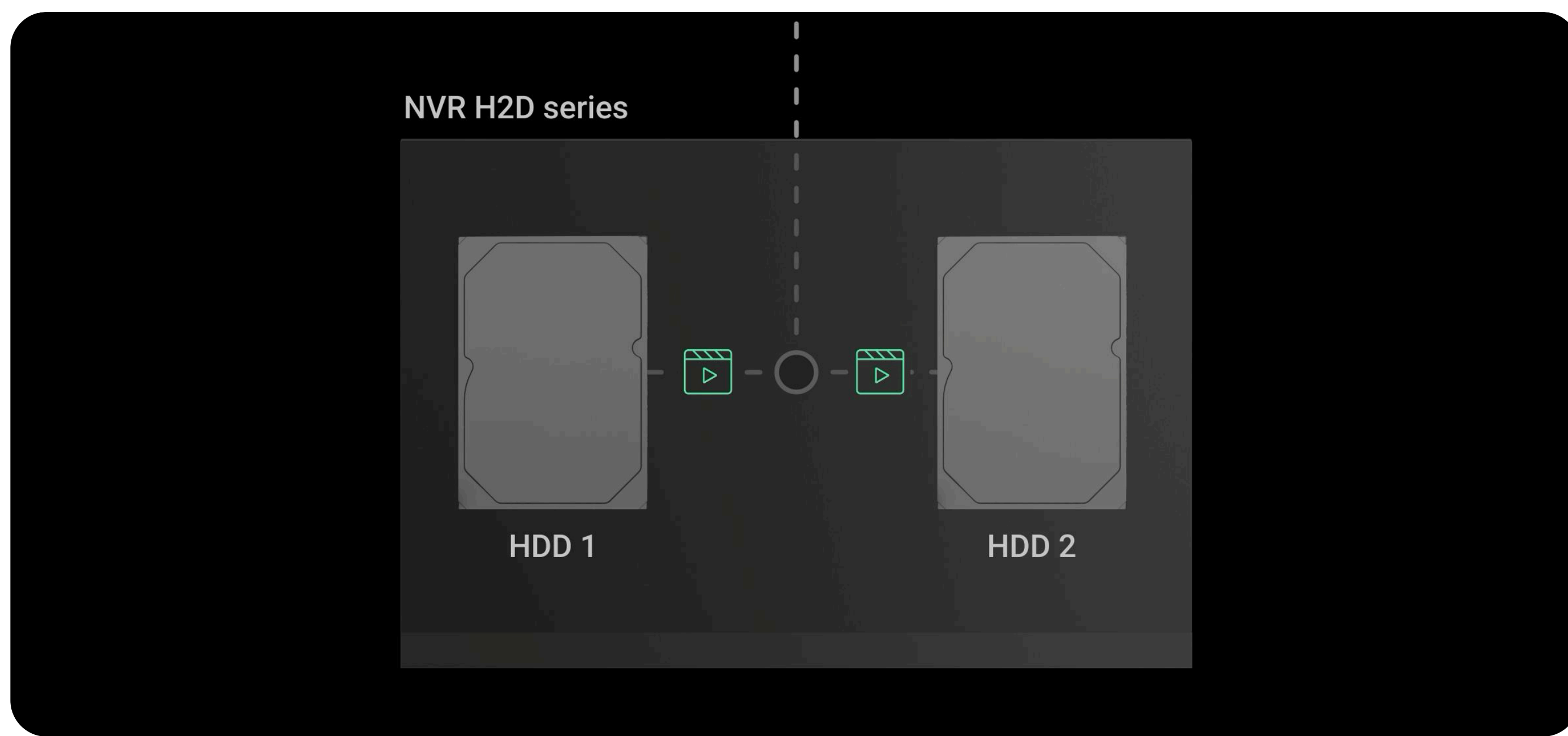
 Always-on recording without service breaks

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.



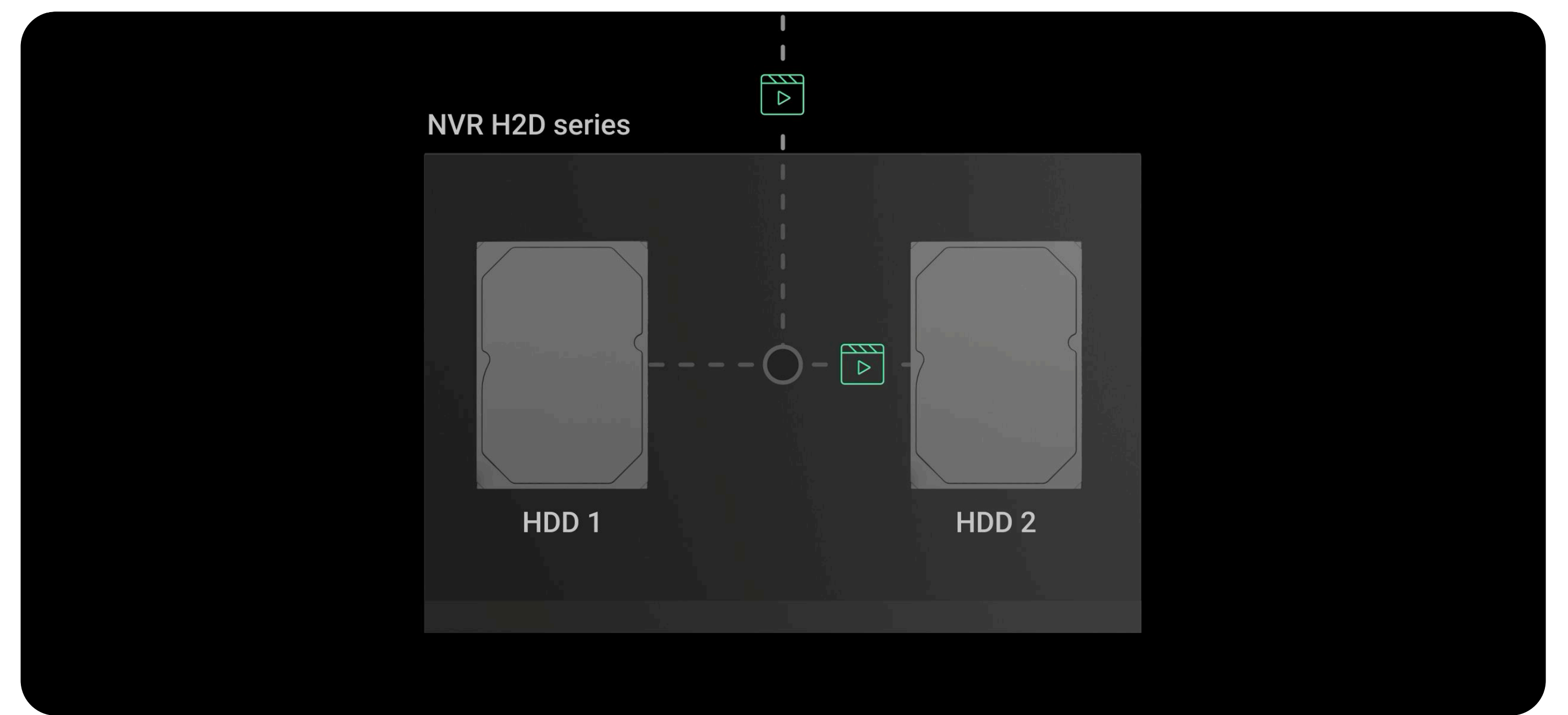
Full story preserved with two-drive recording

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.



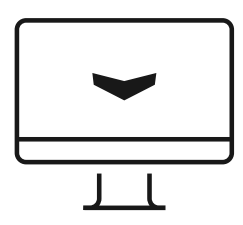
Redundancy mode

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



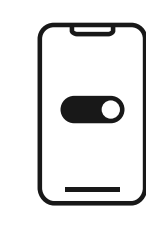
Split mode

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



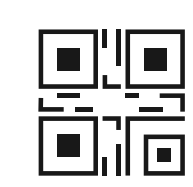
Remote video management via Ajax apps

- 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



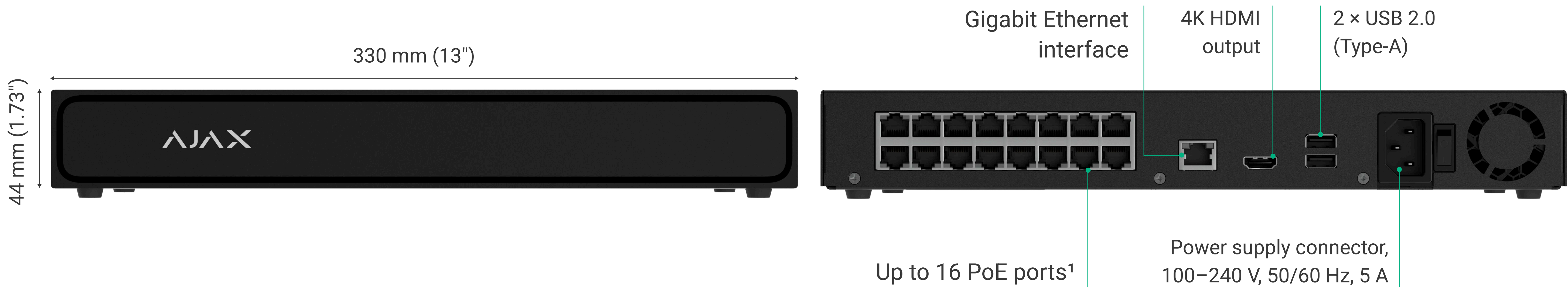
Robust security without privacy compromises

- 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.

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

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

² 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/



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