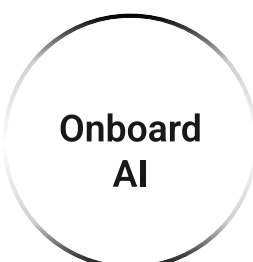
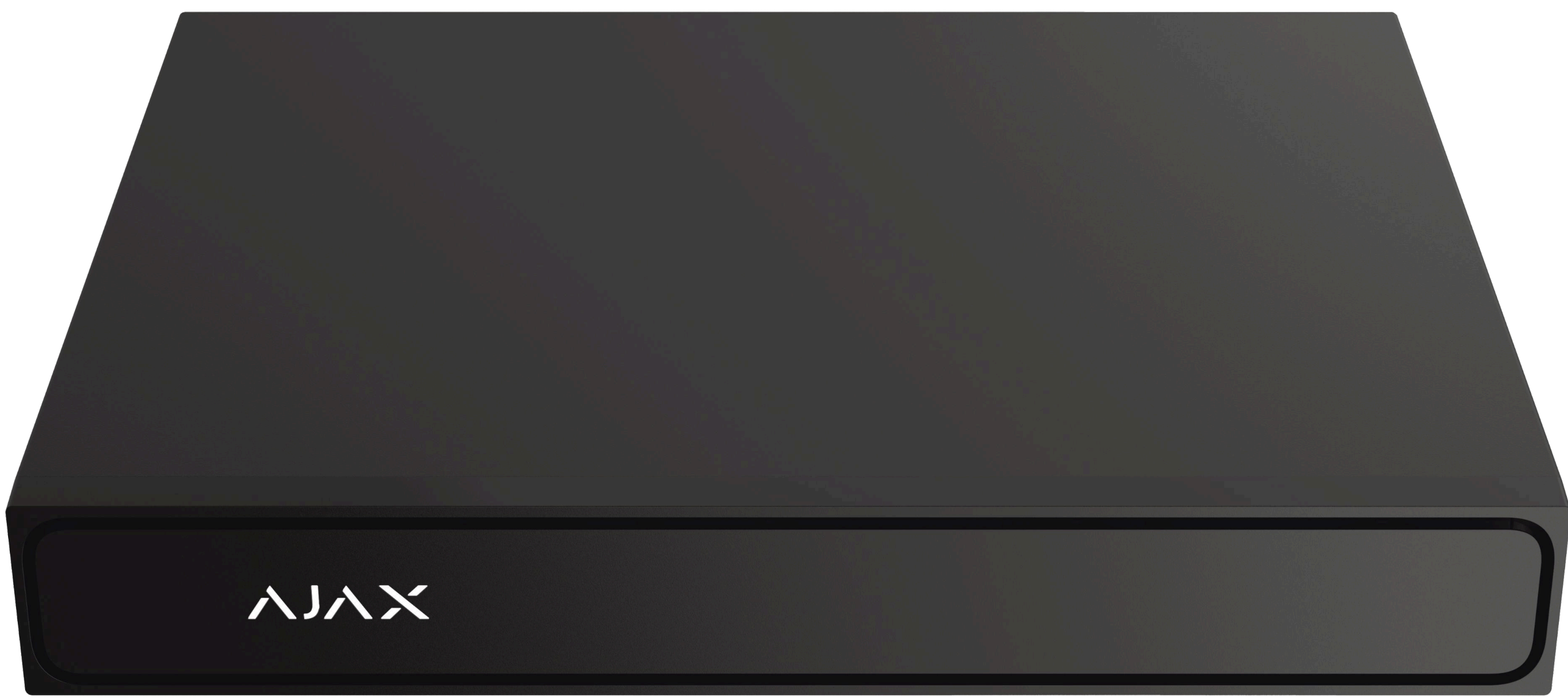




Ajax Superior NVR H2D series

AI-powered network video recorders with 4K HDMI output, up to 2 Gigabit Ethernet ports, up to 16 PoE ports, and support for 2 hot-swappable HDDs



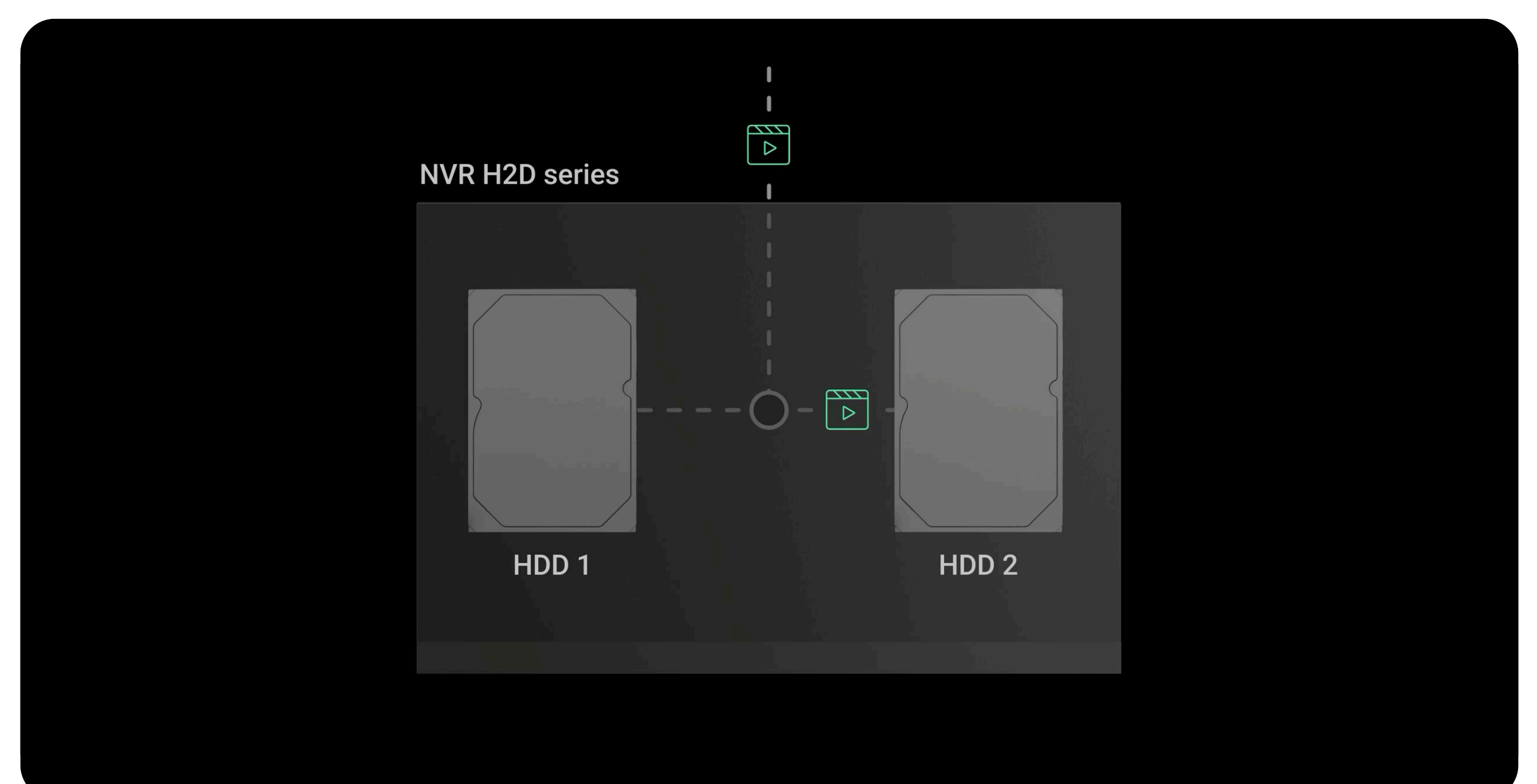
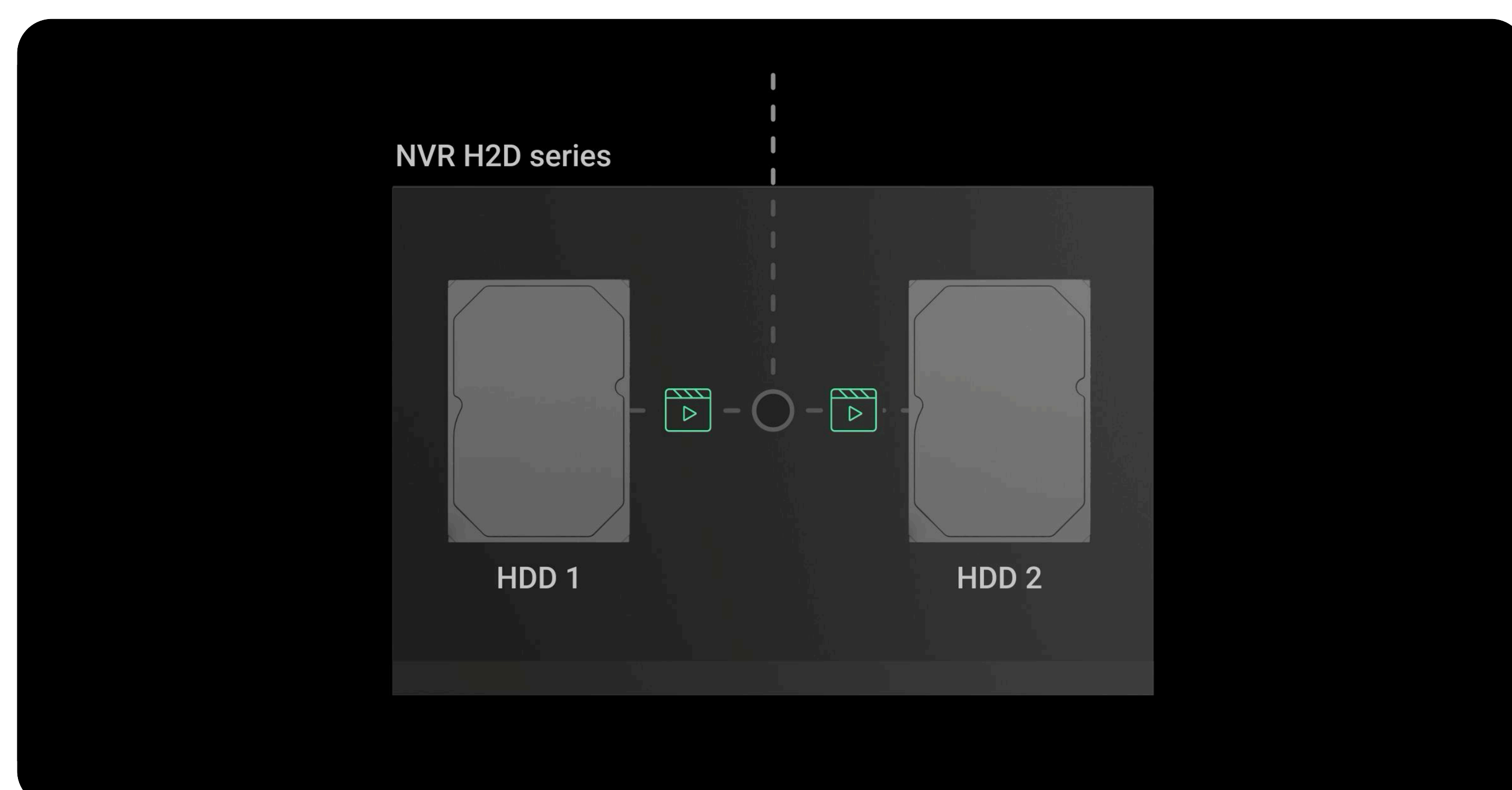
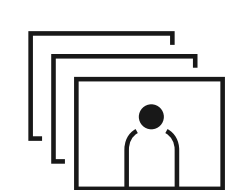
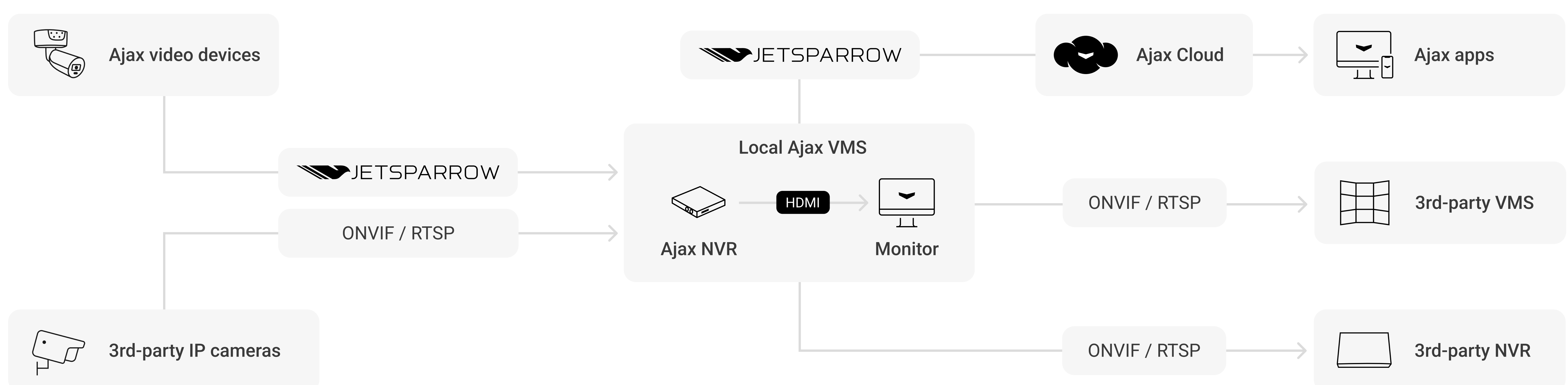
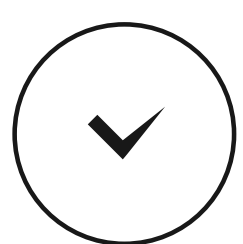
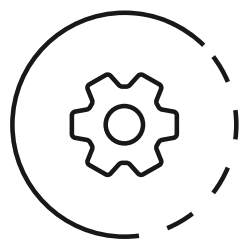
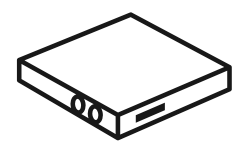
Ajax Superior products are available exclusively to accredited Ajax Systems partners for sales, installation, and maintenance, creating a protected, high-value revenue channel.

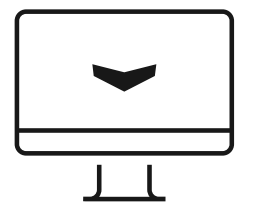
AI Bringing AI to any video setup

Ajax network video recorders integrate Ajax video devices and third-party IP cameras into a single ecosystem. Ajax Superior NVR H2D series features onboard AI, providing intelligent analytics to existing setups without costly camera replacements. The recorders can house two hot-swappable HDDs up to 24 TB each — optimal for continuous archiving and reliable backup. With 4K decoding, the NVRs deliver seamless playback of multiple camera feeds at once. And with a wide selection of Ajax Superior NVR configurations, it's easy to build an efficient and flexible monitoring system for any facility — and manage it remotely via Ajax apps or on-site through the built-in VMS.

Explore Ajax Superior NVR H2D series

Product versions	AI	HDD support	Channels	PoE	HDMI	Ethernet	USB
Ajax Superior NVR H2DAI2GAC (8-ch)	✓	2	8	✗	4K	2 × up to 1 Gbps	1 × 3.0 2 × 2.0
Ajax Superior NVR H2DAI2GAC (16-ch)	✓	2	16	✗	4K	2 × up to 1 Gbps	1 × 3.0 2 × 2.0
Ajax Superior NVR H2DAI2GAC (32-ch)	✓	2	32	✗	4K	2 × up to 1 Gbps	1 × 3.0 2 × 2.0
Ajax Superior NVR H2DAI8PAC (8-ch)	✓	2	8	8	4K	up to 1 Gbps	1 × 3.0 2 × 2.0
Ajax Superior NVR H2DAI8PAC (16-ch)	✓	2	16	8	4K	up to 1 Gbps	1 × 3.0 2 × 2.0
Ajax Superior NVR H2DAI16PAC (16-ch)	✓	2	16	16	4K	up to 1 Gbps	1 × 3.0 2 × 2.0
Ajax Superior NVR H2DAI16PAC (32-ch)	✓	2	32	16	4K	up to 1 Gbps	1 × 3.0 2 × 2.0





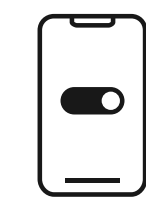
Local video management experience

- 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
- One USB 3.0 port and USB 2.0 ports for a keyboard, mouse, or flash drive



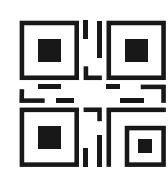
Robust security without privacy compromises

- 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



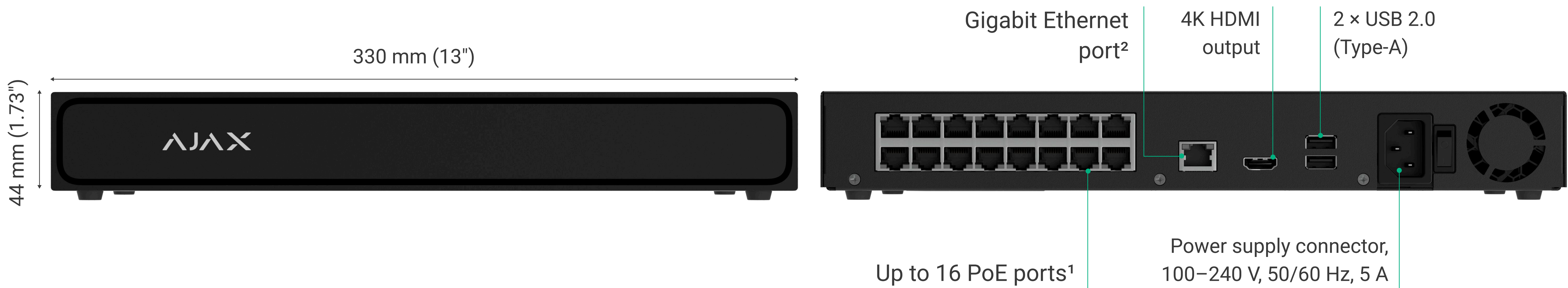
Remote video management via Ajax apps

- 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



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
- Conformance with ONVIF® Profile S
- RTSP support
- 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 Ethernet up to 2 × RJ45 4K HDMI USB 1 × USB 3.0 (Type-A) 2 × USB 2.0 (Type-A) To export data and connect an interface device (e.g., mouse, keyboard, etc.) or a flash drive.	Video stream IP cameras RTSP Conformant with ONVIF® Profile S Ajax Superior NVRs implement 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. Decoding formats H.265/H.264 Storage two hard drives with up to 24 TB capacity (SATA connectivity, 3.5” size) HDDs are not included in the complete set Bandwidth incoming: up to 600 Mbps outgoing: up to 600 Mbps	Key features Built-in AI AI-powered detection of people, pets, and vehicles for connected cameras AI analytics on third-party cameras up to 12 channels 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 Ajax Superior NVR H2DAI2GAC (8-ch) Ajax Superior NVR H2DAI2GAC (16-ch) Ajax Superior NVR H2DAI2GAC (32-ch) Ajax Superior NVR H2DAI8PAC (8-ch) Ajax Superior NVR H2DAI8PAC (16-ch) Ajax Superior NVR H2DAI16PAC (16-ch) Ajax Superior NVR H2DAI16PAC (32-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 Colors black, white Dimensions 330 × 330 × 44 mm 13" × 13" × 1.73" Weight 3,300 g 116.4 oz Without hard drives	Complete set Ajax Superior NVR 2 × rack-mount bracket Power cable Ethernet cable Installation kit Quick start guide

¹ PoE ports are available for Ajax Superior NVR H2DAI8PAC (8-ch), Ajax Superior NVR H2DAI8PAC (16-ch), Ajax Superior NVR H2DAI16PAC (16-ch), and Ajax Superior NVR H2DAI16PAC (32-ch).

² Ajax Superior NVR H2DAI8PAC (8-ch), Ajax Superior NVR H2DAI8PAC (16-ch), Ajax Superior NVR H2DAI16PAC (16-ch), and Ajax Superior NVR H2DAI16PAC (32-ch) feature one Gigabit Ethernet port. Two ports are available for Ajax Superior NVR H2DAI2GAC (8-ch), Ajax Superior NVR H2DAI2GAC (16-ch), and Ajax Superior NVR H2DAI2GAC (32-ch).



For detailed information, scan the QR code or follow the link:
ajax.systems/products/superior-nvr-h2d/manuals/

-  support@ajax.systems
-  @AjaxSystemsSupport_Bot
-  ajax.systems