

Ajax Superior NVR H2DAI16PAC (32-ch)

32-channel AI-powered network video recorder with 4K HDMI output, Gigabit Ethernet port, 16 PoE ports, and support for 2 hot-swappable HDDs

Video	Video input 32 channels Recording resolution 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 when Object detection is disabled • 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) These values apply when Object detection is disabled for all third-party video devices connected to the Ajax NVR. Capability when Object detection is enabled • 1 × channel at 4096 × 4096 px (25 fps) • 2 × channel at 3840 × 2160 px (25 fps) • 4 × channel at 2880 × 1620 px (25 fps) • 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 values apply when Object detection is enabled for at least one third-party video device connected to the Ajax NVR. The actual number of displayed channels may vary depending on NVR resource usage. 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. AI-powered object detection People Pets Vehicles Line crossing 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 1 × RJ-45 self-adaptive Ethernet (10/100/1000 Mbps) + 802.3af/at PoE RJ-45 fast Ethernet (10/100 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.
PoE standard	PoE port 16 × IEEE 802.3af/at (Alternative A, power over data pairs) Maximum power per port up to 25 W Total power budget up to 200 W
Network	Bandwidth incoming: up to 384 Mbps outgoing: up to 384 Mbps Protocol HTTP, HTTPS, TCP/IP, IPv4, IPv6, UPnP, RTSP, UDP, DHCP, DNS, DDNS ONVIF® conformant with ONVIF® Profile G and 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. Split mode Sequentially distributes video streams across multiple storage devices to balance the load and optimize storage. 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	The device's operating voltage is 100–240 V~. The device is designed for indoor installation only.
Power supply	Main 100–240 V, 50/60 Hz, 5 A Power consumption up to 280 W Clock battery CR2032 battery, 3 V Only to power the system clock.
Enclosure	Dimensions 330 × 330 × 44 mm 12.99" × 12.99" × 1.73" Weight 3.3 kg 7.3 lb Without drives. Operating temperature range from 0 °C to +50 °C from 32 °F to 122 °F

	Operating humidity up to 75% Protection class IP20
Color	Black White
Complete set	Ajax Superior NVR H2DAI16PAC (32-ch) 2 × rack-mount brackets Power cable Ethernet cable Installation kit Quick start guide
Warranty	24 months