

Ajax Superior NVR H2DAI16PAC (16-ch)

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

Video	Video input 16 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 Live view window division 1, 4, 9, 16, 25, 36, 5+1, 7+1, 12+1 views Synchronous playback 4 channels
Intelligent video analytics	Motion detection Ajax camera: 16 channels Ajax NVR: 16 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
Interface	<p>HDD 2 × SATA III: supports hard drives with up to 24 TB capacity (2.5" and 3.5" form factors) Supports full hot-swap functionality. HDDs are not included.</p> <p>Network 1 × RJ-45 self-adaptive Ethernet (10/100/1000 Mbps) + 802.3af/at PoE RJ-45 fast Ethernet (10/100 Mbps)</p> <p>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.</p>
PoE standard	<p>PoE port 16 × IEEE 802.3af/at (Alternative A, power over data pairs)</p> <p>Maximum power per port up to 25 W</p> <p>Total power budget up to 200 W</p>
Network	<p>Bandwidth incoming: up to 384 Mbps outgoing: up to 384 Mbps</p> <p>Protocol HTTP, HTTPS, TCP/IP, IPv4, IPv6, UPnP, SNMP, RTSP, UDP, SMTP, NTP, DHCP, DNS, DDNS</p> <p>Interoperability ONVIF</p>
Key features	<p>Supported devices</p> <ul style="list-style-type: none"> • Ajax cameras • IP cameras via ONVIF (Profile S/T) or RTSP <p>Redundancy mode</p>

	<p>Simultaneous recording of the same video streams to two storage devices to ensure data redundancy and reliability.</p> <p>Split mode Sequentially distributes video streams across multiple storage devices to balance the load and optimize storage.</p> <p>Built-in video management system</p> <ul style="list-style-type: none"> • 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. <p>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.</p> <p>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.</p> <p>Accelerometer alarm when Ajax NVR is moved</p>
<p>Power supply</p>	<p>Main 100–240 V, 50/60 Hz, 5 A</p> <p>Power consumption up to 280 W</p> <p>Clock battery CR2032 battery, 3 V Only to power the system clock.</p>
<p>Enclosure</p>	<p>Dimensions 330 × 330 × 44 mm 12.99" × 12.99" × 1.73"</p>

	<p>Weight 3.3 kg 7.3 lb Without hard drives.</p> <p>Operating temperature range from 0 °C to +50 °C from 32 °F to 122 °F</p> <p>Operating humidity up to 75%</p> <p>Protection class IP20</p>
Color	<p>Black White</p>
Complete set	<p>Ajax Superior NVR H2DAI16PAC (16-ch) 2 × rack-mount brackets Power cable Ethernet cable Installation kit Quick start guide</p>
Warranty	<p>24 months</p>