IndoorCam

Indoor Wi-Fi security camera with PIR motion detector and built-in AI

Professional security and AI. Domesticated.

IndoorCam combines the convenience of Wi-Fi cameras with high-end security features. Its fallback communication channel with an Ajax hub ensures that the facility never drops out of sight, even if Wi-Fi is lost. Equipped with a PIR sensor and built-in AI, the device accurately detects movement and recognizes people, animals, and vehicles. Users can always get a clear view of indoor activity in outstanding quality thanks to the IndoorCam's wide-angle HDR camera.

Key features

Top-grade camera 110° 4 MP HDR	Precise motion detection with a PIR sensor	Clear two-way audio with noise suppression and echo cancellation	Customizable virtual video wall
IR illumination range up to 8 m 26 ft	Built-in AI object recognition	Informative push notifications Ajax Home: animal detected, IndoorCam in Room 1 Critical Ajax Store: motion detected, IndoorCam in Main hall	JetSparrow Instant access to live stream and smooth archive[1] navigation
Two colors	Jeweller and Wings Fallback communication channel	Archive[1] synchronization with system events	Remote control and configuration
Adjustable motion detection area	Enhanced Wi-Fi connection at a distance of up to 500 m 1,600 ft in line of sight	Secure passwordless authentication	High-resolution alarm verification Ajax Video scenario Motion in Open Space executed
Over-the-air updates without additional maintenance		Multi-tiered account security 2FA, session control, and password/biometric login	

In an Ajax system, you can combine devices of all product categories: **Intrusion protection** (both Superior and Baseline), **Video surveillance**, **Fire and life safety**, or **Comfort and automation**. Create the system to suit your needs and manage it in a single interface.

Live view, instant talk

Stay connected to your property and control it from anywhere, day or night. With HD video streaming and two-way audio, you can see, hear, and respond to any situation immediately using your smartphone. From deterring unwanted visitors to checking in on your space, IndoorCam combines professional-grade surveillance with user-friendly functionality.

IndoorCam: smart, fast, and secure monitoring

Camera empowered by AI

IndoorCam features AI-powered object recognition that transforms standard video surveillance into an intelligent monitoring tool. The AI identifies only critical events, such as a vehicle moving into a parking area, a person entering a restricted zone, customers approaching checkout counters, etc. AI processing takes place directly in the camera, eliminating the need for additional equipment or subscriptions. Both users and security personnel can easily monitor spaces via a smartphone, receiving instant notifications when movement is detected — no specialized security training required.

Precise video recording: pixel by pixel

Optimize your video archive with intelligent motion detection. Configure movement tracking within specific zones at the pixel level, ensuring – only relevant activity is recorded when movement occurs in the selected area. The strict event filtering helps save storage space and streamlines archive navigation.

Protect sensitive areas with privacy zones

Enhance privacy by configuring privacy zones to selectively hide specific parts of the frame. For example, a safe within the camera's view can be excluded from recording, while surrounding activity remains visible. This feature ensures that sensitive and confidential information remains strictly private, which is especially suitable for high-security environments.

Secure and accessible video archive

Ajax NVR	Ajax Cloud Storage
Experience rapid system response with instant access to an extensive 16 TB local video archive, providing cloud-level retrieval speed. Designed for wide compatibility, NVR allows for integrating nearly any third-party IP camera into Ajax intrusion protection and automation setup.	Benefit from smart video recording and store in the cloud archive. The built-in AI recognizes people, vehicles, and animals. Select the object types you want to receive notifications for, and IndoorCam will automatically record based on the choice made. Only the footage that matters most will be stored on Ajax Cloud Storage.

Smooth archive navigation

Effortlessly browse the video archive with instant event-based access. Simply click on an event in the notification log, and the system will direct you to the exact camera recording at the event's timestamp. Everything is just one click away with our advanced features.

- Filters by motion or scenario
- Calendar view
- Quick export options

Gone are the days of sifting through endless recordings or waiting for hours just to find that one significant clip. Experience unparalleled system response speed and smooth control. The lightning-fast interface supports dual streams and instant archive access without any delays. Jump to a specific timestamp with a single click – no more tedious searching.

Reliable connection beyond Wi-Fi

Connecting IndoorCam to an Ajax hub provides a reliable backup communication channel. If Wi-Fi connection is lost, the camera continues to transmit events, alarms, and photos using Ajax's secure Jeweller and Wings radio protocols. With up to 1,700 meters 5,5500 ft of communication range with a hub and robust Ajax anti-sabotage measures, IndoorCam remains an active part of the intrusion protection system, ensuring users are informed and in control.

- Up to 1,700 m 5,550 ft of communication with an Ajax hub²

- Frequency hopping
- Jamming detection
- Device loss detection

Extended Wi-Fi range for no lags and freezes

Forget about home security cameras dropping off the Wi-Fi network at the worst possible moment. IndoorCam is designed to be less susceptible to radio interference and maintain a stable connection at up to 500 meters 1,600 ft in line of sight — five times farther than competing solutions. This extended range offers greater installation flexibility, as installers no longer need to position the Wi-Fi router directly near the camera. For users, it ensures seamless communication and uninterrupted streaming whenever needed.

Ajax IndoorCam
Up to 500 m 1,600 ft
Typical home security cameras 100 m 300 ft

Rapid and encrypted data transfer

JetSparrow is the heart and brain of Ajax video transmission, storage, and management. We developed this proprietary video transmission technology to deliver an ultra-fast VMS experience. With JetSparrow, navigating through the local archive feels as smooth as browsing cloud storage. As a result, surfing the archive becomes remarkably efficient, and the live view initiates without any delay.

- Peer-to-peer transmission
- TLS encryption
- High stability

Customizable video wall for simultaneous monitoring

All the visual data is available in a streamlined virtual video wall in both mobile and desktop apps. The Video wall tab combines the latest snippets from the cameras, offering a comprehensive view of the space under surveillance. Rearrange the tiles according to the needs of a user.

Discover future-proof hardware

- CMOS sensor: 4 MP (2688 × 1520 px), HDR
- Motion detection: PIR sensor with a silicon optical filter
- Viewing angles: 110° horizontal and 60° vertical
- Speaker: up to 85 dB
- Power supply unit: 12 V⎓
- Flexible installation: three device positions

A device with no hidden agenda

All system data is securely stored within the European Union and fully complies with European data protection standards.

Ajax IndoorCam is NDAA-compliant, with every component sourced from manufacturers trusted and approved by the U.S. government. Additionally, IndoorCam has successfully passed independent cybersecurity tests, which proves the device's safety and reliability.

Instant event-to-video alarm verification

Synchronized notifications
Thanks to the synchronization[3] between the cameras and the security system, there is no need to scrub through all the footage to find what's needed. A notification in Ajax apps can instantly redirect users to a corresponding recording.

High-quality alarm verification
Set up a scenario for the camera to start recording[3] as soon as certain Ajax detectors are triggered. Configure the video settings to instantly receive high-resolution visual alarm verification.

Verified evidence with no effort

Ajax provides secure video export with digital signature verification. Each exported recording comes with a built-in digital signature. Ajax media player automatically verifies the file's integrity and authenticity. If anyone attempts to alter the video file, the digital signature validation will fail, and the Ajax media player will reject the file with a clear explanation.

Established security expertise

Enhanced archive and data security Ajax Systems ensures the highest level of protection for video data in compliance with EU data protection standards. Recordings can be stored in encrypted cloud storage or a secure NVR and be accessible only with authorized credentials. Passwordless authentication further reduces vulnerabilities of the video surveillance system.	**Strengthened account security** Access to video streams is provided through the apps. The accounts can be secured with either a password or biometrics. Two-factor authentication and session control are also available.
Restricted visual data access The Privacy tab allows trusted accounts to grant or revoke user access rights to specific video streams and photos in real-time. Control who can view, listen, save, as well as and manage the content.	**End-user-controlled system** Once the system is installed, only the end user has control over it. It does not have backdoors. Access for PRO accounts is temporary. Only those with specific rights, granted by the system administrator, can access the visual data.

Passwordless authentication is key

Ajax video devices do not use default passwords, eliminating a common system vulnerability. Instead, passwordless authentication via the mTLS protocol ensures that IndoorCam can be connected to only one space.

Each cloud-endpoint interaction is authenticated through encrypted certificates without password-related risks. Adding IndoorCam via Ajax apps is effortless and makes the installation process seamless and secure.

- Mutual TLS protocol
- No passwords to be compromised
- Streamlined installation

Effortless installation and setup

IndoorCam is quick to install and can be easily managed via Ajax apps. No need to disassemble the enclosure — the swivel mount with a mounting panel allows for secure attachment to a ceiling or wall. Either option ensures optimal installation with minimal effort. Pairing IndoorCam with the system takes seconds and requires to simply scan a QR code. Configuration and monitoring are easy and straightforward with the intuitive Ajax apps.

Adding to the system	Installation	Setup	Monitoring
Pairing with the security system via QR code	Effortless and secure installation using the mounting panel and the swivel mount	Configuring and testing via the mobile Ajax PRO app	Monitoring in the PRO Desktop app for macOS and Windows

[1] IndoorCam recordings are stored in Ajax NVR or Ajax Cloud Storage.

[2] In line of sight.

[3] This feature requires IndoorCam connection to Ajax NVR or Ajax Cloud Storage.