

TurretCam

Wired AI-powered IP security camera with IR illumination, True WDR, microphone, and PoE/12 V. For outdoor and indoor use.



Product versions

TurretCam (5 Mp/2.8 mm)	TurretCam (8 Mp/2.8 mm)	TurretCam (5 Mp/4 mm)	TurretCam (8 Mp/4 mm)
5 MP	8 MP	5 MP	8 MP
f/2.8 mm (fixed)	f/2.8 mm (fixed)	f/4 mm (fixed)	f/4 mm (fixed)
up to 2880 × 1620 px	up to 3840 × 2160 px	up to 2880 × 1620 px	up to 3840 × 2160 px
25 fps (3K UHD)	20 fps (4K UHD)	25 fps (3K UHD)	20 fps (4K UHD)
100°–110°	100°–110°	75°–85°	75°–85°

Intelligence and privacy built in

TurretCam combines top-notch video streaming, AI-based object recognition, and best-in-class privacy control. The camera delivers high-definition visuals and ultra-fast archive navigation powered by the proprietary JetSparrow technology. Built-in AI saves time and storage by ensuring the camera records and notifies users of only selected events. Footage is instantly available via mobile and desktop Ajax apps or local VMS, strictly within the limits end users define. As part of the Ajax system, the camera works in sync with intrusion protection, fire safety, and automation devices — all managed effortlessly within a single interface.

Uncompromising security and privacy

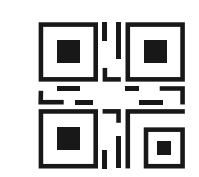
- Passwordless camera authentication via mutual TLS (mTLS) handshake
- TLS-encrypted video streams
- User-controlled access to video content
- Secure video export with digital signature verification
- Multi-tiered account protection: passcodes, biometrics, and two-factor authentication
- Session control for additional account security
- NDAA-compliant components and protocols

Seamless user experience

- AI-powered object recognition: people, pets, and vehicles
- High-resolution visual verification of alarms via video scenarios
- Instant transition from notifications to on-site video recordings
- Camera synchronization with security system modes
- Real-time monitoring with a customizable video wall
- True WDR (Wide Dynamic Range) for better image quality

Smooth archive navigation

- Proprietary JetSparrow technology for instant, secure video streaming and smooth archive navigation
- Fast archive navigation using event timeline, calendar view, and search filters
- Dual streams for instant preview and optimized bandwidth usage
- Quick video clip export in just a few taps

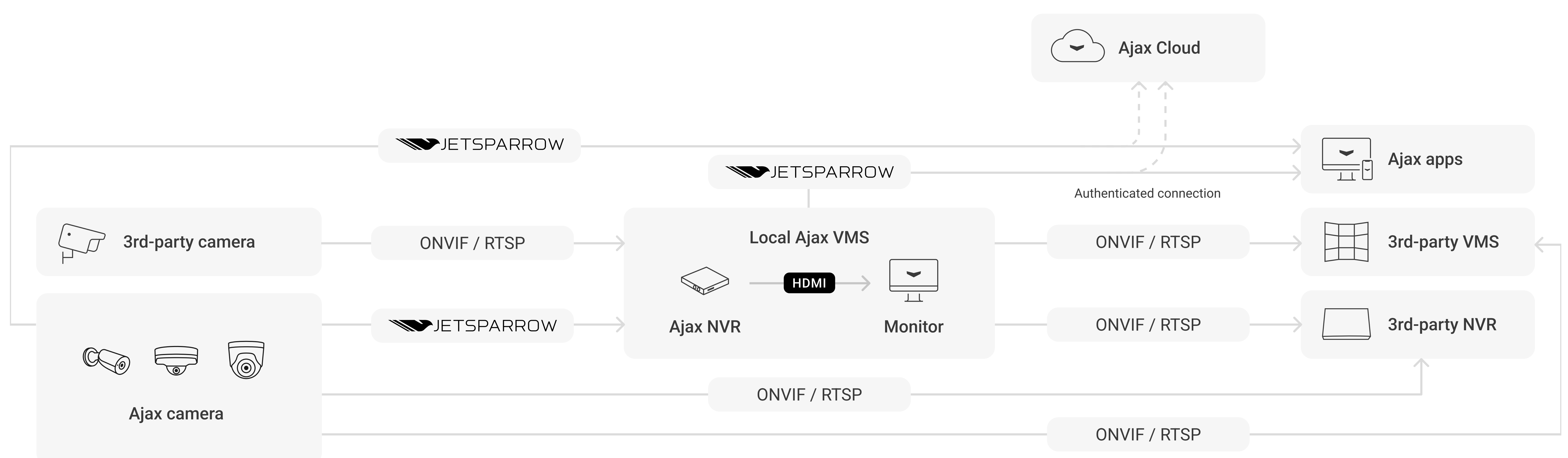


Easy installation and maintenance

- Adding to an Ajax system via QR code
- Remote control and configuration via Ajax apps
- Conformance with ONVIF® Profile G and S
- RTSP support
- Motion detection zone configuration via Ajax mobile and desktop apps
- Real-time system health monitoring with automatic state checks



Flexible video surveillance for any scale and scenario



TurretCam cameras can operate without an Ajax NVR. In this case, video footage is stored locally on a microSD card, if one is installed.

DORI distance

Version	Detection	Observation	Recognition	Identification
TurretCam (5 Mp/2.8 mm)	65 m (213 ft)	26 m (85 ft)	13 m (42 ft)	6.5 m (21 ft)
TurretCam (5 Mp/4 mm)	86 m (282 ft)	34.4 m (112 ft)	17.2 m (56 ft)	8.6 m (28 ft)
TurretCam (8 Mp/2.8 mm)	90 m (295 ft)	36 m (118 ft)	18 m (59 ft)	9 m (29 ft)
TurretCam (8 Mp/4 mm)	117.5 m (385 ft)	47 m (154 ft)	23.5 m (77 ft)	11.6 m (38 ft)

Compliance with standards CE RoHS NDAА	Video and optics Resolution 5 MP version: up to 2880 × 1620 px @ 25 fps (3K UHD) 8 MP version: up to 3840 × 2160 px @ 20 fps (4K UHD) Lens 2.8 mm: 100°–110° viewing angle 4 mm: 75°–85° viewing angle Image processing True WDR hardware and software Video compression H.265, H.264 Bitrate 100 Mbps full-duplex Simultaneous live view Up to 5 channels Illumination IR illumination range: up to 50 m (164 ft) Video stream RTSP 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. Storage Ajax NVR microSD card Up to 256 GB	Power supply Power supply unit 12 V== ± 20%, 1 A Ethernet 10/100 Mbps (RJ-45) Ethernet port PoE standard 802.3at/af Power consumption up to 8.5 W
Key features JetSparrow Proprietary Ajax protocol for fast and secure video transmission Motion detection Built-in software to detect motion in the frame Object recognition with built-in AI People Pets Vehicles Visual verification of Ajax system alarms Built-in digital microphone Activate sirens upon detection feature Automation scenarios Alarm verification Motion detection AI-powered recognition Detector alarm Automation scenarios		Enclosure Dimensions 103 × 98 × 98 mm 4.06" × 3.86" × 3.86" Weight 475 g 16.8 oz Colors black, white Protection class IP66 IK08
Installation Operating temperature from –30 °C to +60 °C from –22 °F to +140 °F Operating humidity up to 90%		Complete set TurretCam Installation template Installation kit Quick start guide



For detailed information, scan the QR code or follow the link:
ajax.systems/support/devices/turretcam/

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