

# 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

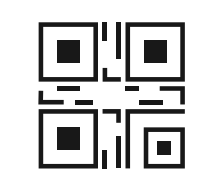
- Passwordless camera authentication via mutual TLS (mTLS) handshake
- TLS-encrypted video streams
- User-controlled access to video content
- Secure video export with digital signature verification
- Multi-tiered account protection: passcodes, biometrics, and two-factor authentication
- Session control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

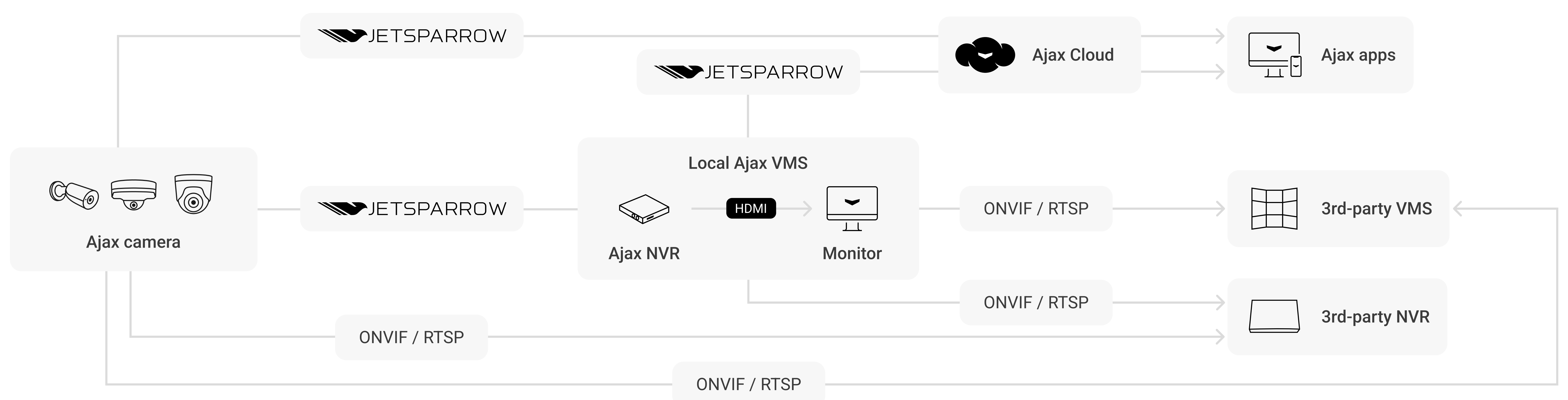


## Easy installation and maintenance

- Adding to an Ajax system via QR code
- Remote control and configuration via Ajax apps
- Conformance with ONVIF® Profile 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) |

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| <div>Key features</div> <div><div>JetSparrow</div><div>Proprietary Ajax protocol for fast and secure video transmission</div><div>Motion detection</div><div>Built-in software to detect motion in the frame</div><div>Object recognition with built-in AI</div><div>People</div><div>Pets</div><div>Vehicles</div><div>Visual verification of Ajax system alarms</div><div>Built-in digital microphone</div><div>Activate sirens upon detection feature</div><div>Automation scenarios</div><div>Alarm verification</div><div>Motion detection</div><div>AI-powered recognition</div><div>Detector alarm</div><div>Automation scenarios</div></div> | <div>Video and optics</div> <div><div>Resolution</div><div>5 MP version:</div><div>up to 2880 × 1620 px @ 25 fps (3K UHD)</div><div>8 MP version:</div><div>up to 3840 × 2160 px @ 20 fps (4K UHD)</div><div>Lens</div><div>2.8 mm:</div><div>100°–110° viewing angle</div><div>4 mm:</div><div>75°–85° viewing angle</div><div>Image processing</div><div>True WDR</div><div>hardware and software</div><div>Video compression</div><div>H.265, H.264</div><div>Bitrate</div><div>100 Mbps full-duplex</div><div>Simultaneous live view</div><div>Up to 5 channels</div><div>Illumination</div><div>IR illumination range:</div><div>up to 50 m (164 ft)</div><div>Video stream</div><div>RTSP</div><div>Conformant with ONVIF® Profile S</div><div>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.</div></div> | <div>Power supply</div> <div><div>Power supply unit</div><div>12 V== ± 20%, 1 A</div><div>Ethernet</div><div>10/100 Mbps (RJ-45)</div><div>Ethernet port</div><div>PoE standard 802.3at/af</div><div>Power consumption</div><div>up to 8.5 W</div></div> | <div>Enclosure</div> <div><div>Dimensions</div><div>103 × 98 × 98 mm</div><div>4.06" × 3.86" × 3.86"</div><div>Weight</div><div>475 g</div><div>16.8 oz</div><div>Colors</div><div>black, white</div><div>Protection class</div><div>IP66</div><div>IK08</div></div> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <div>Installation</div> <div><div>Operating temperature</div><div>from –30 °C to +60 °C</div><div>from –22 °F to +140 °F</div><div>Operating humidity</div><div>up to 90%</div></div>                                                                    |                                                                                                                                                                                                                                                                      |
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For detailed information, scan the QR code or follow the link:  
[ajax.systems/support/devices/turretcam/](https://ajax.systems/support/devices/turretcam/)

- support@ajax.systems
- @AjaxSystemsSupport\_Bot
- ajax.systems