Baseline

DomeCam Mini

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



Product versions

DomeCam Mini (5 Mp/2.8 mm)	DomeCam Mini (8 Mp/2.8 mm)	DomeCam Mini (5 Mp/4 mm)	DomeCam Mini (8 Mp/4 mm)
5 MP	8 MP	5 MP	8 MP
ƒ/2.8 mm (fixed)	ƒ/2.8 mm (fixed)	ƒ/4 mm (fixed)	ƒ/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

DomeCam Mini 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

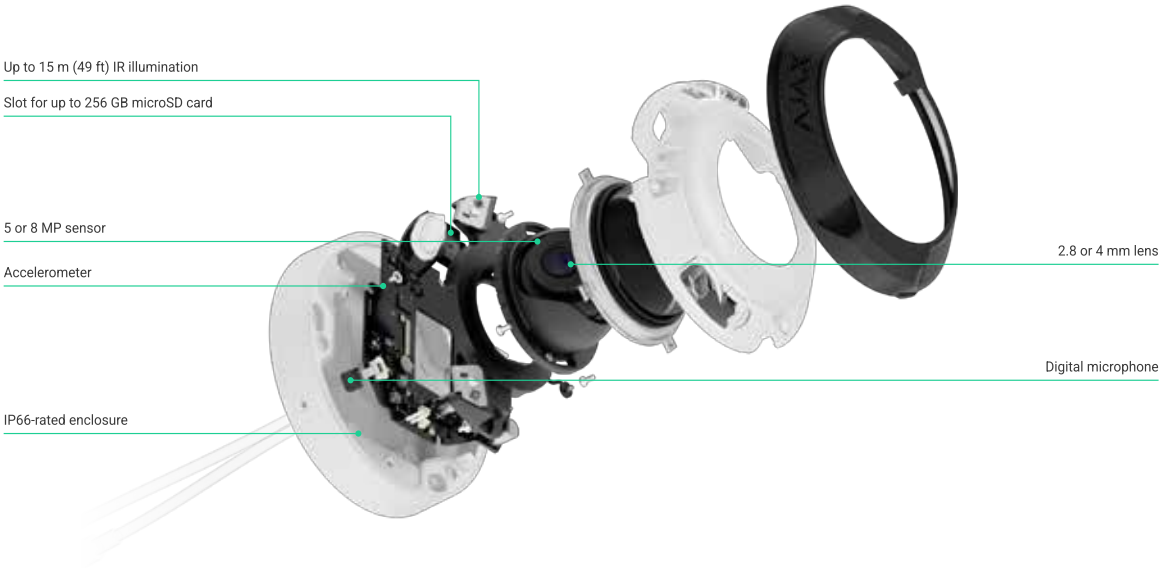
- AI-powered object recognition: people, pets, and vehicles
- High-resolution visual verification of alarms via video scenarios
- Instant transition from notifications to on-site video recordings
- Camera synchronization with security system modes
- Real-time monitoring with a customizable video wall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

Smooth archive navigation

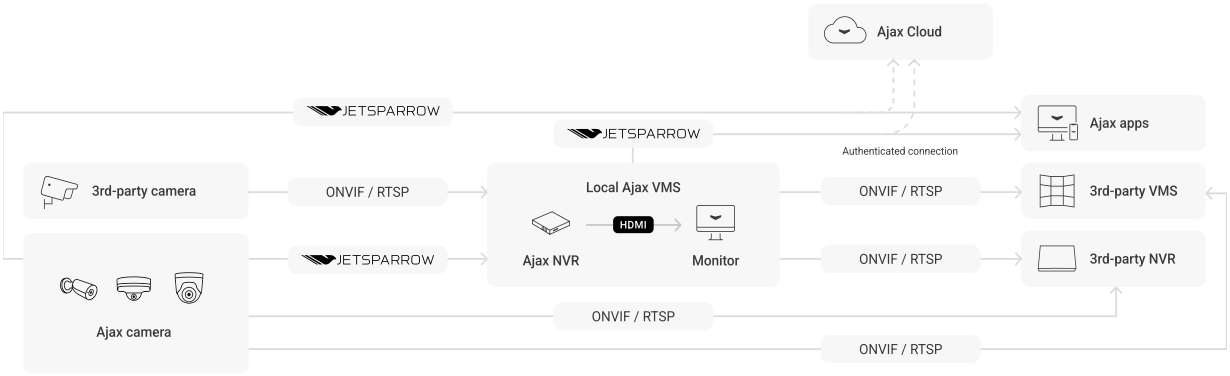
- Proprietary JetSparrow technology for instant, secure video streaming and smooth archive navigation
- Fast archive navigation using event timeline, calendar view, and search filters
- Dual streams for instant preview and optimized bandwidth usage
- Quick video clip export in just a few taps

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



DomeCam Mini 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
DomeCam Mini (5 Mp/2.8 mm)	65 m (213 ft)	26 m (85 ft)	13 m (42 ft)	6.5 m (21 ft)
DomeCam Mini (5 Mp/4 mm)	86 m (282 ft)	34.4 m (112 ft)	17.2 m (56 ft)	8.6 m (28 ft)
DomeCam Mini (8 Mp/2.8 mm)	90 m (295 ft)	36 m (118 ft)	18 m (59 ft)	9 m (29 ft)
DomeCam Mini (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
NDAA

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

Installation

Operating temperature
from −30 °C to +60 °C
from −22 °F to +140 °F

Operating humidity
up to 90%

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 15 m (49 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

Enclosure

Dimensions
114 × 114 × 67 mm
4.45" × 4.45" × 2.64"

Weight
430 g
15.2 oz

Colors
black, white

Protection class
IP66
IK08

Complete set

DomeCam Mini
Installation template
Installation kit
Quick start guide

For detailed information, scan the QR code or follow the link:

ajax.systems/support/devices/domecam-mini/

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