

Tech specs

BASELINE

DomeCam Mini HL (8 Mp/4 mm)

Wired AI-powered security IP camera with an 85° viewing angle, hybrid illumination, True WDR, microphone, and PoE/12 V. For outdoor and indoor use.



Camera

Image sensor

8 MP CMOS, 1/2.7" type

Lens focal length



4 mm

Maximum aperture

f/1.6

Lens iris type

fixed

Lens focal type

fixed

Field of view

horizontal: 75–85°

vertical: 40–50°

diagonal: 105–115°

DORI distance

- Detection: 117.5 m
- Observation: 47 m
- Recognition: 23.5 m
- Identification: 11.6 m

Maximum illumination distance

- white LED: up to 15 m
- IR LED: up to 15 m

Intelligent lighting control automatically adjusts the intensity of IR and white LEDs in real time to prevent overexposure. This ensures clear visibility of objects at varying distances — whether close to or far from the camera — in low-light conditions.

Minimum illumination

color: 0.005 lx

B/W: 0 lx

Signal-to-noise ratio (SNR)

more than 52 dB

Video

Resolution

- 8 MP (3840 × 2160)
- 6 MP (3072 × 1728)
- 5 MP (2944 × 1656)
- 5 MP (2880 × 1620)
- 5 MP (2592 × 1944)
- 4 MP (2560 × 1440)
- 3 MP (2304 × 1296)
- 2 MP (1920 × 1080)
- 0.6 MP (1024 × 576)

Frame rate

up to 20 fps

Image rotation

0°, 180°

Video codec

H.265, H.264

Dynamic range

120 dB (True WDR)

Storage

microSD

Ajax NVR

The camera supports microSD up to 256 GB. The memory card should be Class V30 or faster. The card is not included in the complete set.

Audio

Built-in microphone

With the corresponding settings, the camera can record audio at the scene.

Audio codec

G711-ULAW, G711-ALAW, G726, G722

Intelligent video analytics

Motion detection

The camera detects motion using software image frame analysis.

AI object detection

People

Pets

Vehicles

Network

Port

1 × RJ-45 self-adaptive Ethernet (10/100 Mbps)

Protocol

HTTP, HTTPS, TCP/IP, IPv4, RTSP, UDP, DHCP, DNS

ONVIF®

conformant with ONVIF® Profile 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.

Learn more >

Key features

Video protocol

JetSparrow

Fast and encrypted peer-to-peer video protocol developed by Ajax Systems.

Visual verification of Ajax alarms

The system allows you to configure a scenario according to which Ajax detectors trigger selected cameras to start recording. The recorded event is immediately delivered to the mobile or desktop monitoring app.

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 parties can access video streams, event history, or device settings, in accordance with the owner's preferences.

Sabotage protection

mTLS

Encrypted connection for data protection.

Authentication

via Ajax Cloud

Secure Boot

Protection against firmware spoofing.

OTA signature verification

Secure automatic firmware update.

Power supply

PoE standard

802.3at/af

PoE power consumption

- maximum: up to 8.2 W

 DomeCam Mini HL

More 

External power supply unit

12 V $\overline{=}$ $\pm$ 20%, 1 A

12 V DC power consumption

- maximum: up to 7.0 W
 - average: up to 6.6 W
-

Enclosure

Dimensions

114 × 114 × 67 mm

Weight

430 g

Operating temperature range

from -30 °C to +60 °C

Operating humidity

up to 90%

Protection class

IP66, IK08



Color

Black



White



Complete set

DomeCam Mini HL (8 Mp/4 mm)

Installation template

Installation kit

Quick start guide

Certification and compliance with standards



DomeCam Mini HL (8 Mp/4 mm)



Additional information

Compliance with standards

[Learn more](#) >

User manual

[Learn more](#) >

Warranty

24 months

[Learn more](#) >

Subscribe

Subscribe to our emails about secure life. No spam.

Subscribe

Request extra help

+447451279411

support@ajax.systems

@AjaxSystemsSupport_Bot

Ask a question



Rating 4.8

4,500,000

people worldwide under Ajax protection

Suggest a feature



Products

Intrusion protection

Video surveillance

Fire and life safety

Comfort and automation

All products

Services

System integrations

Ajax Ready products

Fibra wired protocol

Ajax radio protocols

Software

Ajax Security System

Ajax PRO: Tool for Engineers

Ajax Desktop

Ajax PRO Desktop

Ajax TV

Ajax Translator PRO

Ajax Cloud Signaling

Ajax Media Player

Scenarios



Available on
App Store



Available on
Google Play

Solutions

[Customer stories](#)

[Solutions by facility type](#)

[Commercial fire detection and alarm system](#)

[Wireless Grade 3 solution](#)

[Wired Grade 3 solution](#)

[Video surveillance solution](#)

[Integration with Yale smart locks](#)

[Upgrades and retrofits](#)

[Why Ajax](#)

[How it works](#)

Support

[Manuals and articles](#)

[Compliance with standards](#)

Tools

[Ajax kit configurator](#)

[Ajax device compatibility](#)

[CMS software compatibility](#)

[Ajax Services availability](#)

[Video storage calculator](#)

[Video device calculator](#)

[Battery life calculator](#)

[Radio communication range calculator](#)

[Switches and outlets configurator](#)

[Fibra power supply calculator](#)

[All web tools](#)

Monitoring solutions and integrations

[Intrusion alarm monitoring](#)

[Video monitoring and visual alarm verification](#)

[Audio alarm verification](#)

Company

[Blog](#)

[About us](#)

[Press page](#)

[Events](#)

[Career](#)

[Ajax Next](#)

[Ajax PRO channel](#)

[Reviews and feedback](#)

For partners

[For partners](#)

[Ajax Academy](#)

[Partner Portal](#)

[Ajax PRO channel](#)

[!\[\]\(68b6d95d89f0dd7f8fb40261150d6eaf_img.jpg\) United Kingdom](#) [Privacy policy](#) [Report a vulnerability](#) [GDPR White Paper](#) [NDAA Statement](#) [Cookie policy](#)

[Anti-Spam Policy](#) [Ajax Services T&C](#) [End user agreement](#) [Warranty](#)

© 2026 AJAX SYSTEMS CH. All rights reserved