

# DomeCam Mini HL

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



## Product versions

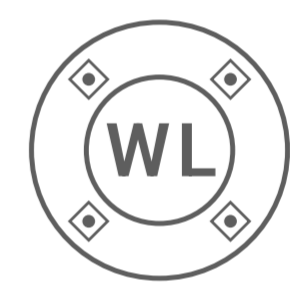
DomeCam Mini HL (5 Mp/2.8 mm)	DomeCam Mini HL (8 Mp/2.8 mm)	DomeCam Mini HL (5 Mp/4 mm)	DomeCam Mini HL (8 Mp/4 mm)
<ul style="list-style-type: none"> <li>5 MP</li> <li>f/2.8 mm</li> <li>up to 2880 × 1620 px</li> <li>25 fps (3K UHD)</li> <li>100°–110°</li> </ul>	<ul style="list-style-type: none"> <li>8 MP</li> <li>f/2.8 mm</li> <li>up to 3840 × 2160 px</li> <li>20 fps (4K UHD)</li> <li>100°–110°</li> </ul>	<ul style="list-style-type: none"> <li>5 MP</li> <li>f/4 mm</li> <li>up to 2880 × 1620 px</li> <li>25 fps (3K UHD)</li> <li>75°–85°</li> </ul>	<ul style="list-style-type: none"> <li>8 MP</li> <li>f/4 mm</li> <li>up to 3840 × 2160 px</li> <li>20 fps (4K UHD)</li> <li>75°–85°</li> </ul>

## Clear image with full-color details, day and night

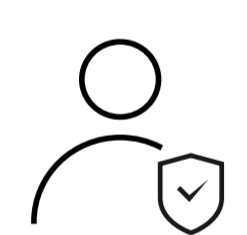
Hybrid illumination in DomeCam Mini HL cameras automatically switches between infrared and white light based on object recognition or motion detection. This ensures high image quality in low-light conditions and at night. The feature provides full-color footage for better object recognition and helps deter intruders when white light is activated.



up to 15 m (49,2 ft)  
IR illumination range

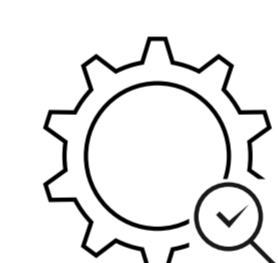


up to 15 m (49,2 ft)  
White light illumination range



### 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: humans, vehicles, and pets<sup>1</sup>
- High-resolution visual verification of alarms via video scenarios<sup>1</sup>
- Instant transition from notifications to on-site video recordings<sup>1</sup>
- Camera synchronization with security system modes
- Real-time monitoring with a customizable video wall
- True WDR (Wide Dynamic Range) for superior image quality



### Smooth archive navigation

- Proprietary JetSparrow technology for instant, secured video streaming and smooth archive navigation
- Instant access to live view
- 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 clicks



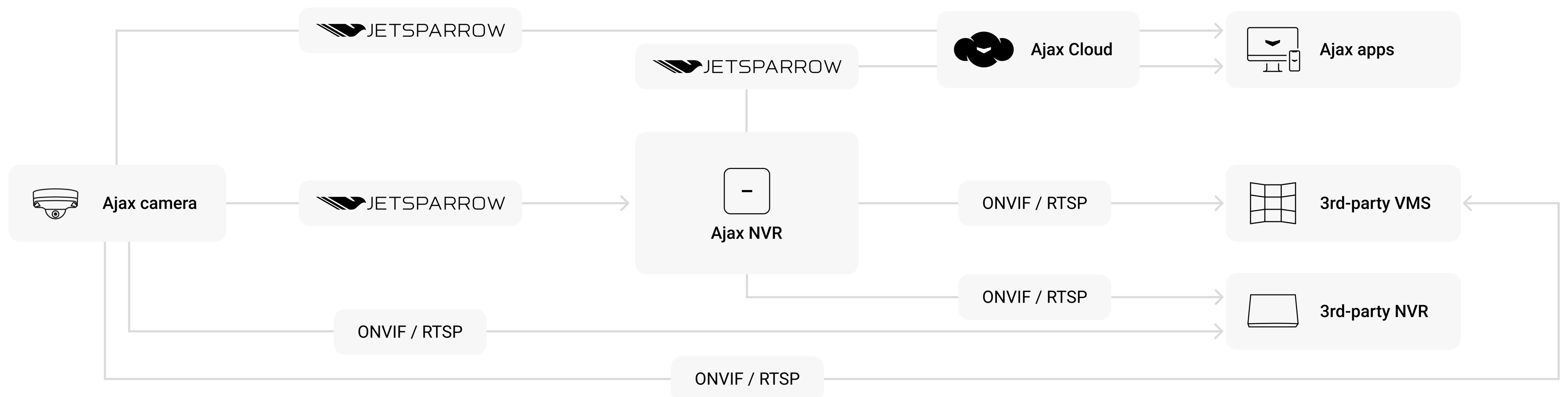
### Easy installation and maintenance

- Adding to an Ajax system via QR code
- Remote control and configuration via Ajax apps
- Support for ONVIF/RTSP authorization
- Motion detection zone configuration via Ajax mobile and desktop apps
- Real-time system health monitoring with automatic state checks

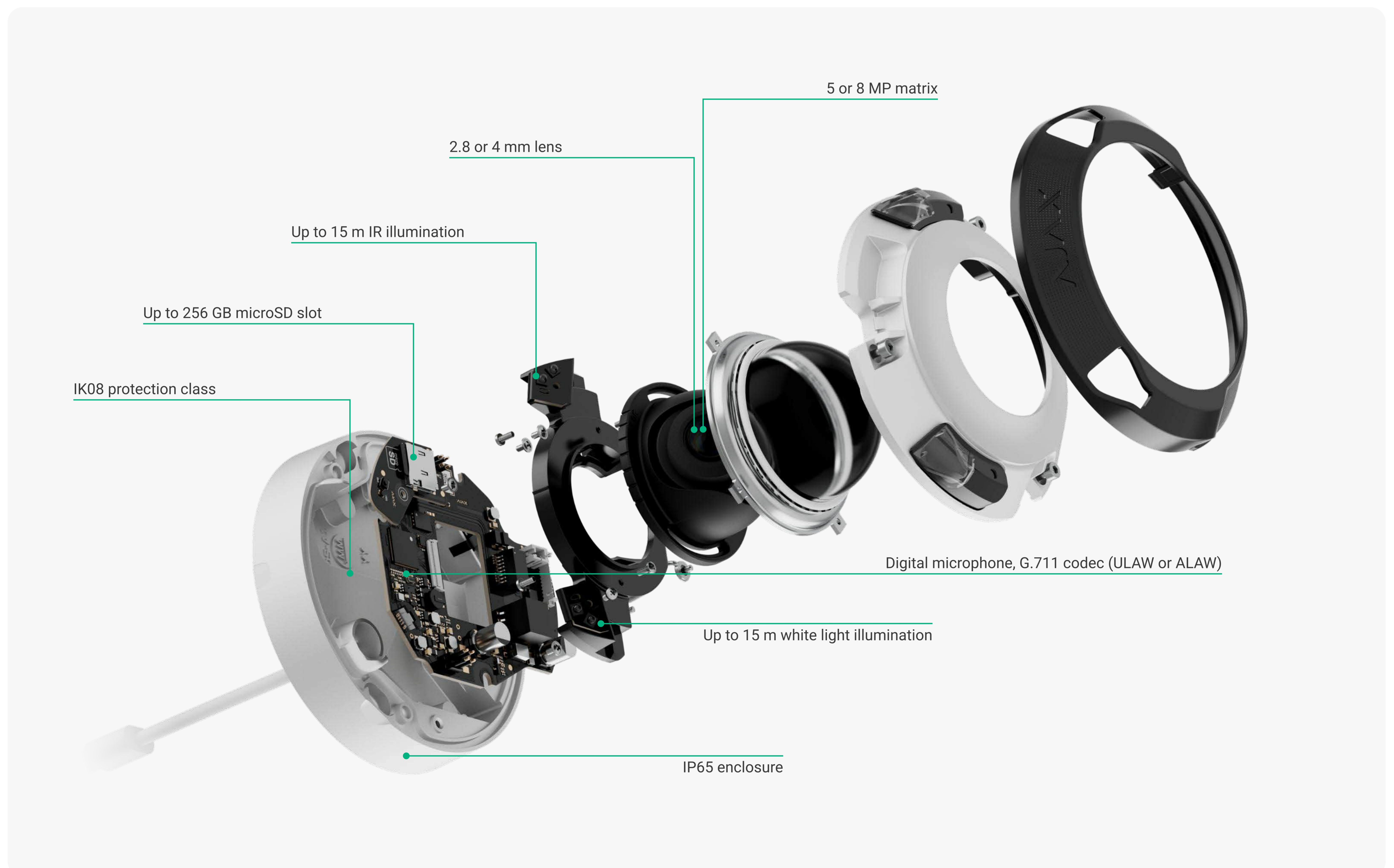
## Flexible video surveillance for any scale and scenario

DomeCam Mini HL cameras use Ajax Cloud to transmit system events and JetSparrow technology for fast, secured peer-to-peer video data transmission. With AI-powered object recognition, the camera can identify humans, vehicles, and pets, ensuring only relevant activity is recorded. Strict event filtering helps save storage space and streamlines archive navigation.

Hybrid illumination provides full-color image quality day and night. The camera can be activated depending on the security mode, making video surveillance precisely selective and effective.

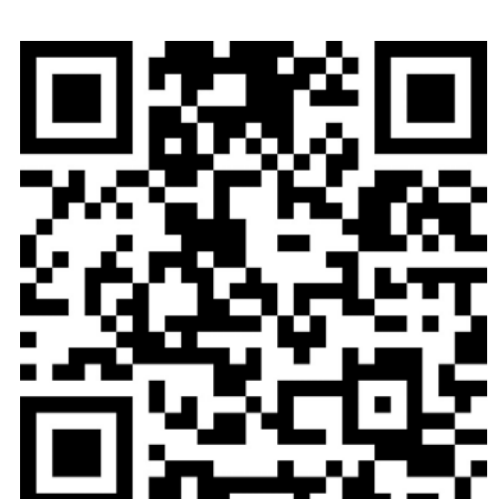


 DomeCam Mini HL cameras can operate without the Ajax NVR – the video archive is stored locally on a microSD card if installed.






<p><b>Compliance with standards</b></p> <p>CE RoHS NDAA</p> <p><b>Key features</b></p> <p><b>JetSparrow</b> Proprietary Ajax protocol for fast and secure video transmission</p> <p><b>Motion detection</b> Built-in software to detect motion in the frame</p> <p><b>Object recognition with built-in AI</b> Human Pet Vehicle</p> <p><b>Visual verification of Ajax system alarms</b></p> <p><b>Built-in digital microphone</b></p> <p><b>Activate sirens upon detection feature</b></p> <p><b>Alarm verification</b> Motion detection AI-powered recognition Detector alarm Automation scenarios</p>	<p><b>Video and optics</b></p> <p><b>Resolution</b> <b>5 MP version:</b> up to 2880 × 1620 px @ 25 fps (3K UHD) <b>8 MP version:</b> up to 3840 × 2160 px @ 20 fps (4K UHD)</p> <p><b>Lens</b> <b>2.8 mm:</b> 100°–110° viewing angle <b>4 mm:</b> 75°–85° viewing angle</p> <p><b>Image processing</b> True WDR (hardware and software)</p> <p><b>Video compression</b> H.265, H.264</p> <p><b>Bitrate</b> 100 Mbps full-duplex</p> <p><b>Simultaneous live view</b> Up to 5 channels</p> <p><b>Backlight</b> IR illumination White light illumination</p> <p><b>Video stream</b> ONVIF<sup>1</sup> RTSP</p>	<p><b>Power supply</b></p> <p><b>Power supply unit</b> 8–14 V<sup>==</sup></p> <p><b>Ethernet</b> 10/100 Mbps (RJ-45)</p> <p><b>Ethernet port</b> PoE standard 802.3at/af</p> <p><b>Power consumption</b> up to 8.5 W</p>	<p><b>Installation</b></p> <p><b>Operating temperature range</b> from –30 °C to +60 °C from –22 °F to 140 °F</p> <p><b>Operating humidity</b> up to 90%</p>
		<p><b>Enclosure</b></p> <p><b>Dimensions</b> 114 × 114 × 67 mm 4.49" × 4.49" × 2.64"</p> <p><b>Weight</b> 430 g 15.17 oz</p> <p><b>Color</b> black, white</p> <p><b>Protection class</b> IP65 IK08</p>	<p><b>Complete set</b></p> <p>DomeCam Mini HL Installation template Installation kit Quick start guide</p>

<sup>1</sup> Full support for Profile S, partial support for Profiles T and M.



For detailed information, scan the QR code or follow the link:  
[ajax.systems/support/devices/domecam-mini-hl/](https://ajax.systems/support/devices/domecam-mini-hl/)

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