

TurretCam HL (8 Mp/2.8 mm)

Wired AI-powered security IP camera with a 110° viewing angle, hybrid illumination, TrueWDR, microphone, and PoE/12 V. For outdoor and indoor use.

Camera

Image sensor
8 MP CMOS, 1/2.7" type

Lens focal length
2.8 mm

Maximum aperture
f/1.6

Lens iris type
fixed

Lens focal type
fixed

Field of view
horizontal: 110°
vertical: 56°
diagonal: 126°

Maximum illumination distance

- white LED: up to 50 m
- IR LED: up to 50 m
- white LED: up to 164 ft
- IR LED: up to 164 ft

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.

Video	<p>Resolution</p> <ul style="list-style-type: none"> ● 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) <p>Frame rate up to 20 fps</p> <p>Image rotation 0°, 180°</p> <p>Video codec H.265, H.264</p> <p>Dynamic range True WDR</p> <p>Storage microSD Ajax NVR 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.</p>
Audio	<p>Built-in microphone With the corresponding settings, the camera can record audio at the scene.</p> <p>Audio codec G711-ULAW, G711-ALAW, G726, G722</p>
Intelligent video analytics	<p>Motion detection The camera detects motion using software image frame analysis.</p> <p>AI object detection People Pets Vehicles</p>

<p>Network</p>	<p>Port 1 × RJ-45 self-adaptive Ethernet (10/100 Mbps)</p> <p>Protocol HTTP, HTTPS, TCP/IP, IPv4, IPv6, SNMP, RTSP, UDP, DHCP, DNS, DDNS</p> <p>Interoperability ONVIF (Profile S/T*) Ajax cameras and NVRs can be integrated into third-party video management systems (VMS). * Profile T is supported for basic streaming and configuration. Advanced features such as metadata, event handling, or edge recording may not be available.</p>
<p>Key features</p>	<p>Video protocol JetSparrow Fast and encrypted peer-to-peer video protocol developed by Ajax Systems.</p> <p>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.</p> <p>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.</p>
<p>Sabotage protection</p>	<p>mTLS Encrypted connection for data protection.</p> <p>Authentication via Ajax Cloud</p> <p>Secure Boot Protection against firmware spoofing.</p> <p>OTA signature verification Secure automatic firmware update.</p>

<p>Power supply</p>	<p>PoE standard 802.3at/af</p> <p>PoE power consumption</p> <ul style="list-style-type: none"> ● maximum: up to TBC W ● average: up to TBC W <p>Power supply unit 12 V= ± 20%, 1 A</p> <p>12 V DC power consumption</p> <ul style="list-style-type: none"> ● maximum: up to TBC W ● average: up to TBC W
<p>Enclosure</p>	<p>Dimensions 103 × 98 × 98 mm 4.05" × 3.86" × 3.86"</p> <p>Weight 475 g 1.05 lb</p> <p>Operating temperature range from -30 °C to +60 °C from -22 °F to 140 °F</p> <p>Operating humidity up to 90%</p> <p>Protection class IP65</p>
<p>Color</p>	<p>Black White</p>
<p>Complete set</p>	<p>TurretCam HL (8 Mp/2.8 mm) Installation template Installation kit Quick start guide</p>
<p>Warranty</p>	<p>24 months</p>