

Superior TurretCam HLVF (8 Mp)

Wired AI-powered security IP camera with a 2.8–12 mm motorized varifocal P-Iris lens, hybrid illumination, True WDR, built-in microphone and speaker, audio and alarm inputs/outputs, and PoE/12 V. For outdoor and indoor use.

Camera	<p>Image sensor 8 MP CMOS, 1/1.8" type</p> <p>Lens focal length 2.8–12.0 mm</p> <p>Maximum aperture f/1.4–2.3</p> <p>Lens iris type P-Iris</p> <p>Lens focal type varifocal</p> <p>Field of view horizontal: 47°–110° vertical: 26°–56° diagonal: 54°–135°</p> <p>Maximum illumination distance</p> <ul style="list-style-type: none">• white LED: up to 40 m• IR LED: up to 60 m• white LED: up to 131 ft• IR LED: up to 196 ft <p>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, both near and far, in low-light conditions.</p>
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 (2688 × 1520)• 3 MP (2304 × 1296)• 2 MP (1920 × 1080)• 0.6 MP (1024 × 576) <p>Frame rate</p>

	<p>up to 25 fps</p> <p>Image rotation 0°, 90°, 180°, 270°</p> <p>Video codec H.265, H.264, MJPEG</p> <p>Dynamic range True WDR</p> <p>Storage microSD</p> <p>Ajax NVR Camera supports microSD cards up to 256 GB. The memory card must be Class V30 or faster. The card is not included in the complete set.</p>
Audio	<p>Built-in microphones 2 With the corresponding settings applied, the camera can record audio at the scene.</p> <p>Audio codec G.711 μ-law, G.711 A-law, G.726, G.722</p>
Speaker	<p>Built-in speaker The camera supports two-way communication.</p> <p>Output speaker power 3 W</p>
Intelligent video analytics	<p>Motion detection The camera detects motion using software-based image frame analysis.</p> <p>AI object detection People Pets Vehicles Line-crossing</p>
Network	<p>Port 1 × RJ45 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>Alarm port</p>	<p>Lines for third-party devices 2</p> <p>Alarm IN type NO, NC Configured in Ajax apps.</p> <p>Alarm IN max voltage 5 V_{DC}</p> <p>Alarm OUT operating range 48 V_{AC}, 300 mA</p>
<p>Audio port</p>	<p>Lines for third-party devices 2</p> <p>Audio IN type external microphone input Supports active microphones with a built-in preamplifier.</p> <p>Audio IN settings gain enable/disable Configured in Ajax apps.</p> <p>Audio OUT type speaker output Supports connection of an external speaker (min. 3 W, ≥ 4 Ω). When an external speaker is connected, the internal one is disabled.</p>
<p>Key features</p>	<p>Video transmission JetSparrow Fast and encrypted peer-to-peer technology developed by Ajax Systems.</p> <p>Focal length change autofocus manual focus control Configured in Ajax apps.</p> <p>Visual verification of system alarms Ajax systems allow users to configure a scenario in which Ajax detectors trigger selected cameras to start recording. The recorded event is immediately delivered to the mobile or desktop Ajax PRO 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 using Ajax PRO Desktop – are fully configurable by the device owner. This guarantees that only authorized parties can access video streams, event history, and 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>Accelerometer Alerts on attempts to move or dismount the camera.</p>
Power supply	<p>PoE standard 802.3at/af (Class 4)</p> <p>External power connector type screw terminal connector (2 pin)</p> <p>Power consumption</p> <ul style="list-style-type: none"> • maximum: up to 12 W • average: up to 6 W <p>Power supply unit 12 V_{DC} ±20%, 1.5 A</p>
Enclosure	<p>Dimensions 136 × 162 × 136 mm 5.35" × 6.38" × 5.35"</p> <p>Weight 1,300 g 2.866 lb</p> <p>Operating temperature range from -40 °C to +60 °C from -40 °F to 140 °F</p> <p>Operating humidity up to 90%</p> <p>Protection class IP67, IK10</p>
Color	<p>Black White</p>
Complete set	<p>Superior TurretCam HLVF (8 Mp) Installation template Installation kit 3 screw terminal connectors Quick start guide</p>

Warranty	24 months
-----------------	-----------