

# AXIS F9114 Main Unit

## 4-channel main unit with audio and I/O

AXIS F9114 is designed for use with four sensor units in discreet video surveillance applications. It delivers excellent video quality even in challenging and low light conditions. Ideal for emergency vehicles and buses, it features ignition control with controlled shutdown to ensure you don't drain the vehicle's battery. Based on a divided network camera concept, it uses sensor units and cables (up to 30 m/ 98 ft) from Axis with SMA-FAKRA connectors to withstand vibrations and ensure a ruggedized installation. Furthermore, Axis Edge Vault protects your Axis device ID and simplifies authorization of Axis devices on your network.

- > 1080p at 30 fps on all 4-channels
- > Rugged design and connectors
- > Multiple sensor and cable options
- > Support for 2-way audio and I/O
- > Zipstream, Lightfinder, Forensic WDR



# AXIS F9114 Main Unit

|                                   |  |                           |   |
|-----------------------------------|--|---------------------------|---|
| <b>System on chip (SoC)</b>       |  | Documentation             | <i>AXIS OS Hardening Guide</i><br><i>Axis Vulnerability Management Policy</i><br><i>Axis Security Development Model</i><br>AXIS OS Software Bill of Material (SBOM)<br>To download documents, go to <a href="https://axis.com/support/cybersecurity/resources">axis.com/support/cybersecurity/resources</a><br>To read more about Axis cybersecurity support, go to <a href="https://axis.com/cybersecurity">axis.com/cybersecurity</a>   |
| Model                             | ARTPEC-7   | <b>General</b>            |   |
| Memory                            | 2x 1024 MB RAM, 512 MB Flash   | Casing                    | IP3X-rated<br>Aluminum casing<br>Color: black NCS S 9000-N  |
| <b>Video</b>                      |  | Sustainability            | PVC free  |
| Video compression                 | H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles<br>H.265 (MPEG-H Part 2/HEVC) Main Profile<br>Motion JPEG  | Power                     | Power over Ethernet (PoE) IEEE 802.3at Type 2 Class 4<br>10–48 V DC, typical 11 W, max 25.5 W   |
| Resolution                        | 1920x1080 HDTV 1080p   | Connectors                | RJ45 for 10BASE-T/100BASE-TX/1000BASE-T PoE<br>4x FAKRA for sensor units<br>6-pin terminal block for 4x configurable I/Os (12 V DC output), max load 50 mA<br>3.5 mm mic/line in, 3.5 mm line out<br>5-pin terminal block RS232/RS485<br>3-pin terminal block for 10-48 V DC input  |
| Frame rate                        | Up to 30 fps in 1080p (WDR mode) and up to 60 fps in 720p  | Storage                   | Support for microSD/microSDHC/microSDXC card and encryption<br>Recording to network-attached storage (NAS)<br>For SD card and NAS recommendations see <a href="https://axis.com">axis.com</a>   |
| Video streaming                   | Multiple, individually configurable streams in H.264, H.265 and Motion JPEG<br>Axis Zipstream technology in H.264 and H.265<br>Controllable frame rate and bandwidth<br>VBR/ABR/MBR H.264/H.265<br>Low latency mode<br>Video streaming indicator   | Operating conditions      | -40 °C to 60 °C (-40 °F to 140 °F)<br>Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F)<br>Humidity 10–95% RH (non-condensing)   |
| Image settings                    | Contrast, brightness, sharpness, Forensic WDR, xed orientation aid, white balance, tone mapping, exposure control, exposure zones, compression, rotation: 0°, 90°, 180°, 270°, mirroring, polygon privacy mask, control queue  | Storage conditions        | -40 °C to 65 °C (-40 °F to 149 °F)<br>Humidity 5-95% RH (non-condensing)  |
| <b>Audio</b>                      |  | Approvals                 | <b>EMC</b><br>CISPR 24, EN 55032 Class A, EN 55035, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZS CISPR 32 Class A, KC KN32 Class A, KC KN35, EAC, ECE R10 rev.05 (E-mark)<br><b>Safety</b><br>CAN/CSA C22.2 No. 62368-1, IEC/EN/UL 62368-1, UN ECE R118, IS 13252<br><b>Environment</b><br>IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-64, IEC TR 60721-4-5 Class 5M3, IEC/EN 60529 IP3X, IEC/EN 61373 Category 1 Class B, NEMA TS 2 (2.2.7-2.2.9)<br><b>Network</b><br>NIST SP500-267 |
| Audio streaming                   | Two-way, full duplex   | Dimensions                | 51 x 120 x 120 mm (2 x 4.7 x 4.7 in)  |
| Audio encoding                    | 24bit LPCM, AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz<br>Configurable bit rate   | Weight                    | 675 g (1.5 lb)  |
| Audio input/output                | 2x external microphone input or line input, 1x line output, ring power, digital audio input  | Required hardware         | AXIS TU6004-E Cable, AXIS TU6005 Plenum Cable, AXIS F21 Sensor Unit, AXIS F4105-LRE Dome Sensor, AXIS F7225-RE Pinhole Sensor   |
| <b>Network</b>                    |  | Included accessories      | Installation guide, Windows® decoder 1-user license   |
| Network protocols                 | IPv4, IPv6, USGv6, ICMPv4/ICMPv6, HTTP, HTTPS, HTTP/2, TLS, QoS, Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, RTCP, DHCP, SSH, SIP, LLDP, CDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf) | Optional accessories      | AXIS Surveillance Cards<br>TU6001 Connector 3-pin, TU6008 Connector 5-pin, TU6009 Connector 6-pin<br>For more accessories, see <a href="https://axis.com">axis.com</a>  |
| <b>System integration</b>         |  | Video management software | AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at <a href="https://axis.com/vms">axis.com/vms</a>  |
| Application Programming Interface | Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at <a href="https://axis.com">axis.com</a><br>One-click cloud connection<br>ONVIF® Profile G and ONVIF® Profile S, specification at <a href="https://onvif.org">onvif.org</a>   | Languages                 | English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese   |
| Event conditions                  | Device status, digital audio, edge storage, I/O, PTZ, scheduled event, video<br>MQTT subscribe   | Warranty                  | 5-year warranty, see <a href="https://axis.com/warranty">axis.com/warranty</a>  |
| Event actions                     | Play audio clip, toggle I/O, send images, MQTT publish, send notifications, overlay text, power saving mode, recordings, SNMP trap messages, status LED, video clips   |                           |   |
| Data streaming                    | Event data   |                           |   |
| <b>Analytics</b>                  |  |                           |   |
| Applications                      | <b>Included</b><br>AXIS Video Motion Detection, audio detection<br><b>Supported</b><br>AXIS People Counter, tampering alarm<br>Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="https://axis.com/acap">axis.com/acap</a>   |                           |   |
| <b>Cybersecurity</b>              |  |                           |   |
| Edge security                     | <b>Software:</b> Signed firmware, brute force delay protection, digest authentication, password protection, AES-XTS-Plain64 256bit SD card encryption<br><b>Hardware:</b> Secure boot, Axis Edge Vault with Axis device ID, secure keystore (CC EAL4+ certified hardware protection of cryptographic operations and keys)                    |                           |   |
| Network security                  | IEEE 802.1X (EAP-TLS), IEEE 802.1AR, HTTPS/HSTS, TLS v1.2/v1.3, Network Time Security (NTS), X.509 Certificate PKI, IP address filtering   |                           |   |