

## AXIS F34 Main Unit

Multi-view surveillance

AXIS F34 supports up to four AXIS F Sensor Units for surveillance of four closely situated areas. It enables a costeffective, highly discreet solution for multi-view surveillance, enabling simultaneous streaming of 1080p or HDTV 720p videos from four different areas through one Ethernet port. Quad view streaming is also supported. The unit offers wide dynamic range capability for handling scenes with high-contrast lighting. With Axis Zipstream technology, AXIS F34 provides a more efficient video compression, enabling lower bandwidth and storage use. AXIS F34 has two SD card slots for local storage of recordings, and supports Power over Ethernet and 8-28 V DC.

- > Streams 1080p/HDTV 720p videos from four sensor units simultaneously
- > Quad view stream
- > Axis Zipstream
- > Two built-in SD card slots







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Video compressionH.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEGResolution1920X1080 (1080p) <sup>3</sup> to 480x270 1280x720 to 480x270Wide dynamic rangeDynamic Contrast rangeFrame rateIn 1080p: up to 12.5/15 fps (50/60 Hz) In 720p: up to 25/30 fps (50/60 Hz)Video streaming JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264 Quad view, max 1080p resolution 25/30 fps (50/60 Hz) with 720p capture mode 12.5/15 fps (50/60 Hz) with 720p capture mode 12.5/15 fps (50/60 Hz) with 1080p capture mode 12.5/15 fps (50/60 Hz) with 720p capture mode 12.5/15 fps (50/60 Hz) with 720p capture modeImage settingsCompression, color, brightness, sharpness, contrast, white balance, exposure value, exposure control, exposure zones, local contrast, rotation, Corridor Format, text and image overlay, privacy mask, mirroring of images. Wide Dynamic Range - Dynamic ContrastSecurityPassword protection, IP address filtering, HTTPS <sup>b</sup> encryption, IEEE 802.1X <sup>b</sup> network access control, digest authentication, user access log, centralized certificate managementSupported protocolsIP44, IP46 US6v6, HTTP, HTTP/2, HTTPS <sup>b</sup> , SL/TLS <sup>b</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnPIM, SMMP+1/v2/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, CIP, UDP, IGMPV-1/v2/v3 (MIB-III), DNS, DynDNS,	Video	
1280x720 to 480x270         Wide dynamic range       Dynamic Contrast         Frame rate       In 1080p: up to 12.5/15 fps (50/60 Hz) In 720p: up to 25/30 fps (50/60 Hz)         Video streaming       Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264 Quad view, max 1080p resolution 25/30 fps (50/60 Hz) with 720p capture mode 12.5/15 fps (50/60 Hz) with 720p capture mode         Image settings       Compression, color, brightness, sharpness, contrast, white balance, exposure value, exposure control, exposure zones, local contrast, totation, Corridor Format, text and image overlay, privacy mask, mirroring of images, Wide Dynamic Range - Dynamic Contrast         Network       Password protection, IP address filtering, HTTPS <sup>b</sup> encryption, IEEE 802.1X <sup>b</sup> network access control, digest authentication, user access log, centralized certificate management         Supported protocols       IPv4, IPv6 USGv6, HTTP, HTTP/2, HTTPS <sup>b</sup> , SSLTLS <sup>b</sup> , QoS Layer 3 DiffServ, FTP, STP, CIFS/SMB, SMTP, Bonjour, UPnP <sup>TM</sup> , SMMPv1/v2/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3 (MICP Integration, including VAPIX® and AXIS Camera Application Platform: specifications at <i>axis.com</i> AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF® Profile G and ONVIF® Profile S, specification at <i>anvif.org</i> Event triggers       File upload: email, FTP, HTTPS, network share Notification: email, HTP, HTTPS and TCP Pre- and post-alarm video buffering Send SNMP tray. WB mode         Built-in installation aids       File upload: email, FTP, HTTPS an		
range         Frame rate       In 1080p: up to 12.5/15 fps (50/60 Hz)         In 720p: up to 25/30 fps (50/60 Hz)         Video streaming       Multiple, individually configurable streams in H.264 and Motion JPEG         Axis Zipstream technology in H.264       Controllable frame rate and bandwidth         Quad view, max 1080p resolution       25/30 fps (50/60 Hz) with 720p capture mode         12.5/15 fps (50/60 Hz) with 700p capture mode       22.5/15 fps (50/60 Hz) with 700p capture mode         Image settings       Compression, color, brightness, sharpness, contrast, white balance, exposure value, exposure control, exposure zones, local contrast, rotation, Corridor Format, text and image overlay, privacy mask, mirroring of images, Wide Dynamic Range - Dynamic Contrast         Network       Password protection, IP address filtering, HTIP5 <sup>b</sup> encryption, IEEE 802.1X <sup>b</sup> network access control, digest authentication, user access log, centralized certificate management         Supported protocols       IPv4, IPv6 USGv6, HTIP, HTIP/2, HTTP5 <sup>b</sup> , SSL/TLS <sup>b</sup> , OoS Layer 3 DiffServ, FTP, SFP, CIP/S/MB, SMTP, Bonjour, UPnP <sup>TM</sup> , SNMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, MQTT, Syslog         System integrottion       Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at <i>axis.com</i> AXIS Video Hosting System (AVHS) with One-Click Connection One-click cloud connection         Programming       NUFF® Profile G and ONVIF® Profile S, specification at <i>anvif.org</i> Event triggers       File upload: email, FTP, HTTP, H	Resolution	
In 720p: up to 25/30 fps (50/60 Hz)         Video streaming       Multiple, individually configurable streams in H.264 and Motion JPEG         Axis Zipstream technology in H.264       Controllable frame rate and bandwidth         VBR/MBR H.264       Quad view, max 1080p resolution         25/30 fps (50/60 Hz) with 720p capture mode       12.5/15 fps (50/60 Hz) with 720p capture mode         Image settings       Compression, color, brightness, sharpness, contrast, white balance, exposure value, exposure control, exposure zones, local contrast, rotation, Corridor Format, text and image overlay, privacy mask, mirroring of images, Wide Dynamic Range - Dynamic Contrast         Network       Security         Password protection, IP address filtering, HTTPS <sup>b</sup> encryption, IEEE 802.1X <sup>b</sup> network access control, exposure value, exposure control, user access log, centralized certificate management         Supported protocols       IPv4, IPv6 USGv6, HTTP, HTTP/2, HTTPS <sup>b</sup> , SSL/TLS <sup>b</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CICF, ISMB, SMTP, Bonjour, UPPI <sup>TM</sup> , SNMPV1/2c2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, MQTT, Syslog         System integration       Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specification at axis.com AXIS Video Hosting System (AVHS) with One-Click Connection ONe-click cloud connection ONVIF® Profile S, specification at anivi.org         Event triggers       Analytics Edge storage events         Event actions       File upload: email, HTP, HTTP, HTTP, network share Notification: email, HTTP, HTTP, and TCP Pre- and post-alarm video buffering Send SNMP t	•	Dynamic Contrast
JPEG       Axis Zipstream technology in H.264         Axis Zipstream technology in H.264       Controllable frame rate and bandwidth         VBR/MBR H.264       Quad view, max 1080p resolution         25/35 Ops (50/60 H2) with 720p capture mode       12.5/15 fps (50/60 H2) with 720p capture mode         12.5/15 fps (50/60 H2) with 720p capture mode       25/30 fps (50/60 H2) with 720p capture mode         Image settings       Compression, color, brightness, sharpness, contrast, white balance, exposure value, exposure control, exposure zones, local contrast, rotation, Corridor Format, text and image overlay, privacy mask, mirroring of images, Wide Dynamic Range - Dynamic Contrast         Network       Security       Password protection, IP address filtering, HTTPS <sup>b</sup> encryption, IEEE 802.1X <sup>b</sup> network access control, digest authentication, user access log, centralized certificate management         Supported       IPv4, IPv6 USGv6, HTTP, HTTP/2, HTTPs <sup>b</sup> , SSL/TLS <sup>b</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnPIM, SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, MQTT, Syslog         System integration       Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specification at axis.com AXIS Video Hosting System (AVHS) with One-Click Connection One-click cloud connection One-click cloud connection One-click cloud connection One-click cloud connection ONVIF <sup>®</sup> Profile G and ONVIF <sup>®</sup> Profile S, specification at anvif.org         Event triggers       Analytics         Edge storage events       Edg	Frame rate	
balance, exposure value, exposure control, exposure zones, local contrast, rotation, Corridor Format, text and image overlay, privacy mask, mirroring of images, Wide Dynamic Range - Dynamic Contrast         Network       Security       Password protection, IP address filtering, HTTPS <sup>b</sup> encryption, IEEE 802.1X <sup>b</sup> network access control, digest authentication, user access log, centralized certificate management         Supported protocols       IPv4, IPv6 USGv6, HTTP, HTTP/2, HTTPS <sup>b</sup> , SSL/TLS <sup>b</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CTFS/SMB, SMTP, Bonjour, UPnP <sup>TM</sup> , SNMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, MQTT, Syslog         System integration       Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at <i>axis.com</i> AXIS Video Hosting System (AVHS) with One-Click Connection One-click cloud connection ONVIF® Profile S, specification at <i>anvis.com</i> AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF® Profile G and ONVIF® Profile S, specification at <i>anvis.com</i> AXIS Video Hosting System (AVHS) with One-Click Connection One-click cloud connection         Event triggers       Analytics         Event actions       File upload: email, FTP, HTTP, HTTPS, network share Notification: email, HTTP, HTTPS and TCP Pre- and post-alarm video buffering Send SNMP trap, WDR mode         Built-in installation aids       Included         Anaclytics       Included         AXIS Video Motion Detection AXIS Cores Line Detection AXIS Cores Line Detection AXIS Digital Autotracking Support for AXIS Camera Applications Platform enabling installation of third-party applications, see <i>axis.com/acap</i>		JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264 Quad view, max 1080p resolution 25/30 fps (50/60 Hz) with 720p capture mode 12.5/15 fps (50/60 Hz) with 1080p capture mode
SecurityPassword protection, IP address filtering, HTTPS <sup>b</sup> encryption, IEEE 802.1X <sup>b</sup> network access control, digest authentication, user access log, centralized certificate managementSupported protocolsIPv4, IPv6 USGv6, HTTP, HTTP/2, HTTPS <sup>b</sup> , SSL/TLS <sup>b</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnPTM, SNMPv1/v2/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, MQTT, SyslogSystem integration Programming InterfaceOpen API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at <i>axis.com</i> AXIS Video Hosting System (AVHS) with One-Click Connection One-Click cloud connection ONVIF® Profile G and ONVIF® Profile S, specification at <i>anvif.org</i> Event triggersFile upload: email, FTP, HTTP, HTTPS, network share Notification: email, HTTP, HTTPS and TCP Pre- and post-alarm video buffering Send SNMP trap, WDR modeBuilt-in installation aidsIncluded AXIS Video Motion Detection Supported AXIS Video Motion Detection Support AXIS Camera Application Platform enabling installation of third-party application Platform enabling installation of third-party application Platform enabling installation of third-party application, see <i>axis.com/acap</i>	Image settings	balance, exposure value, exposure control, exposure zones, local contrast, rotation, Corridor Format, text and image overlay, privacy mask, mirroring of images,
IEEE 802.1X° network access control, digest authentication, user access log, centralized certificate managementSupported protocolsIPv4, IPv6 USGv6, HTTP, HTTP/2, HTTP5 <sup>b</sup> , SSL/TLS <sup>b</sup> , OoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnPTM, SNMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, MQTT, SyslogSystem integration Programming InterfaceOpen API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com AXIS Video Hosting System (AVHS) with One-Click Connection One-Click cloud connection ONVIF® Profile G and ONVIF® Profile S, specification at onvif.orgEvent triggersFile upload: email, FTP, HTTP, HTTPS, network share Notification: email, HTTP, HTTPS and TCP Pre- and post-alarm video buffering Send SNMP trap, WDR modeBuilt-in installation aidsEvent dataAnclytics ApplicationsIncluded AXIS Video Motion Detection Supported AXIS Video Motion Detection Support or AXIS Camera Application Platform enabling installation of third-party application, see axis.com/acap	Network	
protocols3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnPIM, SNMPv1/v2/v3, RTCP, ICMP, DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, MQTT, SyslogSystem integration Programming InterfaceOpen API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com AXIS Video Hosting System (AVHS) with One-Click Connection One-click cloud connection ONVIF® Profile G and ONVIF® Profile S, specification at onvif.orgEvent triggersAnalytics Edge storage eventsEvent actionsFile upload: email, FTP, HTTP, HTTPS, network share Notification: email, HTTP, HTTPS and TCP Pre- and post-alarm video buffering Send SNMP trap, WDR modeBuilt-in installation aidsIncluded AXIS Video Motion Detection Supported AXIS Video Motion Detection SUSPORTEDApplicationsIncluded AXIS Cross Line Detection AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap	Security	IEEE 802.1X <sup>D</sup> network access control, digest authentication, user access log, centralized certificate management
Application Programming InterfaceOpen API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com AXIS Video Hosting System (AVHS) with One-Click Connection One-Click Cloud connection ONVIF® Profile G and ONVIF® Profile S, specification at onvif.orgEvent triggersAnalytics Edge storage eventsEvent actionsFile upload: email, FTP, HTTP, HTTPS, network share Notification: email, HTTP, HTTPS and TCP Pre- and post-alarm video buffering Send SNMP trap, WDR modeBuilt-in installation aidsEvent dataAncolyticsIncluded AXIS Video Motion Detection Supported AXIS Cross Line Detection AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap		3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP <sup>TM</sup> , SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP,
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Edge storage events         Event actions       File upload: email, FTP, HTTP, HTTPS, network share Notification: email, HTTP, HTTPS and TCP Pre- and post-alarm video buffering Send SNMP trap, WDR mode         Built-in installation aids       Pixel counter         Data streaming       Event data         Ancolytics       Included AXIS Video Motion Detection Supported AXIS Cross Line Detection AXIS Digital Autotracking Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap	Programming	AXIS Camera Application Platform; specifications at axis.com AXIS Video Hosting System (AVHS) with One-Click Connection One-click cloud connection
Notification: email, HTTP, HTTPS and TCP         Pre- and post-alarm video buffering         Send SNMP trap, WDR mode         Built-in         installation aids         Pixel counter         Data streaming         Event data         Ancolytics         Applications         Included AXIS Video Motion Detection Supported AXIS Cross Line Detection AXIS Digital Autotracking Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap	Event triggers	
installation aids       Installation aids         Data streaming       Event data         Analytics       Included         Applications       Included         AXIS Video Motion Detection       Supported         AXIS Cross Line Detection       AXIS Digital Autotracking         Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap	Event actions	Notification: email, HTTP, HTTPS and TCP Pre- and post-alarm video buffering
Analytics Applications Included AXIS Video Motion Detection Supported AXIS Cross Line Detection AXIS Digital Autotracking Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap		Pixel counter
Applications         Included AXIS Video Motion Detection           Supported AXIS Cross Line Detection AXIS Digital Autotracking Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap	Data streaming	Event data
AXIS Video Motion Detection Supported AXIS Cross Line Detection AXIS Digital Autotracking Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap	Analytics	
General	Applications	AXIS Video Motion Detection Supported AXIS Cross Line Detection AXIS Digital Autotracking Support for AXIS Camera Application Platform enabling
	General	

Casing	Plastic
Sustainability	PVC-free
Memory	1024 MB RAM, 256 MB Flash
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 max 12.27 W 8-28 V DC, max 12.58 W
Connectors	RJ45 fr 10BASE-T/100BASE-TX PoE RJ12 for sensor units 2-pin terminal block for 8-28 V DC input
Storage	Two SD/SDHC/SDXC slots, (card not included) Support for SD card encryption Recording to network-attached storage (NAS) For SD card and NAS recommendations see <i>axis.com</i>
Operating conditions	0 °C to 40° C (32 °F to 104 °F) Humidity 10-85% RH (non-condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5-95% RH (non-condensing)
Approvals	EMC EN 55022 Class B, EN 55024, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, RCM AS/NZS CISPR 22 Class B, KCC KN22 Class B, KN24, EN 61000-6-1, EN 61000-6-2, EN 61000-3-2, EN 61000-3-3 Safety IEC/EN/UL 60950-1 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-78, EN 50581 Network NIST SP500-267
Dimensions	30 x 121 x 121 mm (1 3/16 x 4 12/16 x 4 12/16 in)
Weight	238 g (0.52 lb)
Included accessories	Installation Guide, Windows® decoder 1-user license, AVHS Authentication key Rubber feet, mounting brackets
Optional accessories	AXIS T8120 15 W Midspan 1-port AXIS T8129 PoE Extender Network cable coupler indoor slim Mains adaptor PS-P terminal connector AXIS Surveillance microSDXC Card 64GB For more accessories, see <i>axis.com</i>
Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at axis.com/vms
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	5-year warranty, see axis.com/warranty

a. Valid for sensor units that support it b. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).

Environmental responsibility:

axis.com/environmental-responsibility

