

AXIS F44 Dual Audio Input Main Unit

Feature-rich multi-view surveillance with WDR



The rugged AXIS F44 main unit connects up to four AXIS F Sensor Units and is ideal for the surveillance of four closely situated areas, such as in stores, schools, banks and buses. AXIS F44 enables streaming of 1080p or HDTV 720p videos from four sensor units simultaneously through one Ethernet port. It also supports quad view streaming. The main unit provides Wide Dynamic Range (WDR) – Forensic Capture, ideal for scenes with very bright and dark areas. Support for Zipstream technology lowers bandwidth and storage use. Other supported features include audio, input/output ports, Power over Ethernet, 8–28 V DC and two SD card slots.



- Streams videos from four sensor units simultaneously
- WDR – Forensic Capture (with sensor units that support this feature)
- Rugged, easy-to-install design
- Axis' Zipstream technology
- Dual audio input with included accessory

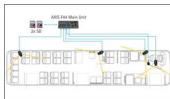
Cost-effective coverage of four areas

AXIS F44 provides a simple and cost-effective solution for multi-view surveillance, enabling simultaneous streaming of views from four different areas through one Ethernet port. The cost of an installation with AXIS F44 and four sensor units, together with other system components, may be lower than the cost of a system that involves four comparable standard network cameras.

Costs for a network switch, for instance, may be lower as the number of ports required can be reduced. License fees for the video management software (VMS) can also be lowered if the VMS sees AXIS F44 as requiring one license instead of four. The overall installation and placement of the units may also be easier and more flexible than with conventional camera solutions. The feature-rich AXIS F44 also presents a high-performance standalone solution as it supports, among other things, two full-sized SD cards for local storage of recordings.

Flexible installation

AXIS F44 Main Unit supports up to four AXIS F Sensor Units for surveillance of four closely situated areas. The main unit can be installed in a sheltered area, while the sensor units can be placed in tight places indoors or outdoors up to 8, 12 or 15 m (26, 39 or 49 ft.) away, depending on the sensor unit and if a cable accessory is supported. The rugged and feature-rich AXIS F44 Main Unit is suitable for a variety of demanding applications, from stores and ATMs, to emergency vehicles, buses and trams.



Two capture modes

Each channel of AXIS F44 supports a 1080p or 720p capture mode and multiple, individually configurable streams. AXIS F44 can operate any combination of the two modes across the channels simultaneously.

A capture mode sets the maximum resolution and frame rate. In the 1080p mode, the maximum resolution is 1080p (1920 x 1080 pixels) and the maximum frame rate is 12.5/15 frames per second (50/60 Hz). It provides the full viewing angle from a 1080p sensor unit. In the 720p capture mode, the maximum resolution is 720p (1280 x 720 pixels) and the maximum frame rate is 25/30 frames per second (50/60 Hz). It provides a cropped view for a 1080p sensor unit and the full view for a 720p sensor unit like AXIS F1004.

In either 1080p or 720p mode, AXIS F44 supports quad view streaming, which combines separate views from four sensor units into one for simultaneous viewing. Each scene would take up a quarter of the display area.

Axis F Series Mini HD CCTV Technology



Specifications

AXIS F44 Dual Audio Input Main Unit

Video		Built-in installation aids	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG	Pixel counter	
Resolutions	1920x1080 (1080p) ^a to 480x270 1280x720 to 480x270	Data streaming	
Frame rate	In 1080p with no WDR: 12.5/15 fps (50/60 Hz) In 720p with no WDR: 25/30 fps (50/60 Hz) In 720p with WDR: 12.5/15 fps (50/60 Hz)	Event data	
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 1080p capture mode	General	
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 – Forensic Capture ^a : Up to 120 dB depending on scene	Casing	Aluminum
Audio		Sustainability	PVC free
Audio streaming	Audio 1: Two-way, full duplex and half duplex (mic/line input/line output) Audio 2: Two-way, full duplex and half duplex (mic/line input/line output)	Memory	1024 MB RAM, 256 MB Flash
Audio compression	AAC-LC 8/16 kHz, 8–64 kbit/s G.711 PCM 8 kHz 64 kbit/s G.711 PCM 16 kHz 128 kbit/s G.726 ADPCM 8 kHz 32 kbit/s or 24 kbit/s Configurable bit rate	Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 max 12.95 W 8–28 V DC, max 13.33 W
Audio input/output	External microphone or line input (2 microphone or line inputs with included AXIS Stereo-to-mono Adapter) Line output	Connectors	RJ45 for 10BASE-T/100BASE-TX PoE RJ12 for sensor units 6-pin terminal block for four configurable inputs/outputs (12 V DC output), max. load 50 mA 3.5 mm mic/line in, 3.5 mm line out 5-pin terminal block RS232 2-pin terminal block for 8–28 V DC input
Network		Storage	Two SD/SDHC/SDXC slots, each supporting memory card up to 64 GB (card not included) Support for recording to dedicated network-attached storage (NAS) For SD card and NAS recommendations, see www.axis.com
Security	Password protection, IP address filtering, HTTPS ^b encryption, IEEE 802.1X ^b network access control, Digest authentication, User access log, Centralized Certificate Management	Operating conditions	–30 °C to 60 °C (–22 °F to 140 °F) Humidity 10–85% RH (non-condensing)
Supported protocols	IPv4/v6, HTTP, HTTPS ^b , SSL/TLS ^b , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP TM , SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SSOSS, SSH	Storage conditions	–40 °C to 65 °C (–40 °F to 149 °F)
System integration		Approvals	EMC EN 55024, EN 55032 Class A, EN 50121-4, EN 61000-6-1, EN 61000-6-2, IEC 62236-4, ECE R10 rev.05, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A, KCC KN32 Class A, KN35 Safety IEC/EN/UL 60950-1 Environment EN 50581, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14, IEC 60068-2-30, IEC 60068-2-40, IEC 60068-2-78, IEC 60529 IP4X, IEC 60721-3-5 5M3 (vibration, shock)
Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform (ACAP); specifications at www.axis.com AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF [®] Profiles S and G, specifications at www.onvif.org	Dimensions	51 x 121 x 121 mm (2 1/16 x 4 12/16 x 4 12/16 in)
Analytics	AXIS Video Motion Detection 3, Active tampering alarm, Audio detection Support for AXIS Camera Application Platform enabling installation of AXIS Cross Line Detection and third-party applications, see www.axis.com/acap	Weight	542 g (1.19 lb) 442 g (0.98 lb)
Event triggers	Analytics, External inputs Edge storage events	Included accessories	AXIS Stereo-to-Mono Adapter, Installation Guide, Windows decoder 1-user license, AVHS Authentication key
Event actions	File upload: email, FTP, HTTP, HTTPS, network share Notification: email, HTTP, HTTPS and TCP Pre- and post-alarm video buffering Video and audio recording to edge storage; Play audio clip, External output activation WDR mode	Optional accessories	AXIS F8001 Surface Mount with Strain Relief AXIS F8002 DIN Rail Clip AXIS T8120 15 W Midspan 1-port AXIS T83 Microphones For more accessories, see www.axis.com
		Video management software	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on www.axis.com/techsup/software
		Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
		Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see www.axis.com/warranty