

AXIS F44 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, 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](#)

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Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
Resolutions	1920x1080 (1080p) ^a to 480x270 1280x720 to 480x270
Frame rate	H.264/Motion JPEG: 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)
Video streaming	Multiple, individually configurable streams in H.264 (Main, Baseline and High Profiles) and Motion JPEG Controllable frame rate and bandwidth VBR/MBR H.264 Axis' Zipstream technology in 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
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
Audio	
Audio streaming	Two-way
Audio compression	AAC-LC 8/16 kHz, 8-64 kbit/s G.711 PCM 8 kHz 64 kbit/s G.726 ADPCM 8 kHz 32 kbit/s or 24 kbit/s Configurable bit rate
Audio input/output	External microphone input or line input, Line output
Network	
Security	Password protection, IP address filtering, HTTPS ^b encryption, IEEE 802.1X ^b network access control, Digest authentication, User access log, Centralized certificate management
Supported protocols	IPv4/v6, HTTP, HTTPS ^b , SSL/TLS ^b , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP TM , SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH
System integration	
Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform (ACAP); AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF Profile S;
Analytics	AXIS Video Motion Detection 3, Active tampering alarm, Audio detection Support for AXIS Camera Application Platform enabling installation of AXIS Cross Line Detection, AXIS Digital Autotracking and third-party applications,
Event triggers	Analytics, External inputs 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

	Video and audio recording to edge storage; Play audio clip, External output activation, WDR mode
Built-in installation aids	Pixel counter
Data streaming	Event data
General	
Casing	Aluminum
Memory	1024 MB RAM, 256 MB Flash
Power	Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3 max 12.95 W 8-28 V DC, max 13.33 W
Connectors	Female 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
Edge 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
Operating conditions	-30 °C to 60 °C (-22 °F to 140 °F) Humidity 10-85% RH (non-condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)
Approvals	ECE R10 rev.04, EN 50121-4, EN 50581, IEC/EN/UL 60950-1, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14, IEC 60068-2-30, IEC 60068-2-60, IEC 60068-2-78, IEC 60529 IP4X, IEC 60721-3-5 5M3 (vibration, shock), IEC 62236-4, EN 55024, EN 61000-6-1, EN 61000-6-2, EN 61000-3-2, EN 61000-3-3 EN 55022 Class A, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, C-tick AS/NZS CISPR 22 Class A, KCC KN22 Class A, KN24
Dimensions	51 x 121 x 121 mm (2 1/16 x 4 12/16 x 4 12/16 in)
Weight	542 g (1.19 lb)
Included accessories	Installation Guide, Windows decoder 1-user license, AVHS Authentication key
Optional accessories	AXIS F8001 Surface Mount with Strain Relief AXIS F8002 DIN Rail Clip AXIS T8120 15 W Midspan 1-port AXIS T83 Microphones
Video management software	AXIS Camera Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available.
Warranty	Axis 3-year warranty and AXIS Extended Warranty option