

AXIS F41 Main Unit

Rugged design with WDR and HDTV 1080p

The rugged AXIS F41 Main Unit connects to one AXIS F Sensor Unit and is ideal for use in highly discreet surveillance applications, such as in stores, ATMs, banks, emergency vehicles and buses. AXIS F41 supports HDTV 1080p at 50/60 frames per second. It provides Wide Dynamic Range (WDR) – Forensic Capture, which enables a high level of detail to be visible in very bright and dark areas of a scene. Support for Axis' Zipstream video compression technology lowers bandwidth and storage use. AXIS F41 supports two-way audio, input/output ports, Power over Ethernet, 8–28 V DC and one SD card slot.

- > **HDTV 1080p at 50/60 frames per second**
- > **WDR – Forensic Capture (with a sensor unit that supports this feature)**
- > **Rugged, easy-to-install design**
- > **Axis' Zipstream technology**



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Video		Built-in installation aids	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG	Data streaming	Pixel counter Event data
Resolutions	1920x1200/1080 (WUXGA/1080p) ^a to 480x270 1280x720 to 480x270	General	
Frame rate	H.264/Motion JPEG: In 1080p with no WDR: 50/60 fps (50/60 Hz) In WUXGA with no WDR, and in 1080p with WDR: 25/30 fps (50/60 Hz)	Casing	Aluminum
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	Memory	512 MB RAM, 256 MB Flash
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	Power	Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3 max 7.7 W 8-28 V DC, max 7.8 W
Audio		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
Audio streaming	Two-way	Edge storage	One SD/SDHC/SDXC slot 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
Audio compression	AAC-LC 8/16/32 kHz, 8-128 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	Operating conditions	-30 °C to 60 °C (-22 °F to 140 °F) Humidity 10-85% RH (non-condensing)
Audio input/output	External microphone input or line input, Line output	Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)
Network		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 B, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, C-tick AS/NZS CISPR 22 Class B, KCC KN22 Class B, KN24
Security	Password protection, IP address filtering, HTTPS ^b encryption, IEEE 802.1X ^b network access control, Digest authentication, User access log, Centralized certificate management	Dimensions	51 x 121 x 121 mm (2 1/16 x 4 12/16 x 4 12/16 in)
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	Weight	532 g (1.17 lb)
System integration		Included accessories	Installation Guide, Windows decoder 1-user license, AVHS Authentication key
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 Profile S; specification at www.onvif.org	Optional accessories	AXIS F8001 Surface Mount with Strain Relief AXIS F8002 DIN Rail Clip AXIS T8120 15 W Midspan 1-port AXIS T83 Microphones
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, see www.axis.com/acap	Video management software	AXIS Camera Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on www.axis.com/techsup/software
Event triggers	Analytics, External inputs Edge storage events	Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see www.axis.com/warranty
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	a. Valid for sensor units that support it b. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org/), and cryptographic software written by Eric Young (ey@cryptsoft.com). More information is available at www.axis.com	