

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](#)



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Video		Data streaming	Event data
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG	General	
Resolution	1920x1200/1080 (WUXGA/1080p) ^a to 480x270 1280x720 to 480x270	Casing	Aluminum
Wide dynamic range	WDR – forensic capture	Sustainability	PVC-free
Frame rate	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)	Memory	512 MB RAM, 256 MB Flash
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	Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 max 7.7 W 8–28 V DC, max 7.8 W
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	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
Audio		Storage	One SD/SDHC/SDXC slot supporting memory card (card not included) Support for SD card encryption Recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com
Audio streaming	Two-way	Operating conditions	-30 °C to 60 °C (-22 °F to 140 °F) Humidity 10–85% RH (non-condensing)
Audio encoding	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	Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
Audio input/output	External microphone input or line input, line output	Approvals	EMC EN 55022 Class B, EN 55024, EN 50121-4, 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, IEC 62236-4 Safety IEC/EN/UL 60950-1 Environment ECE R10 rev.04, EN 50581, 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) Network NIST SP500-267
Network		Dimensions	51 x 121 x 121 mm (2 1/16 x 4 12/16 x 4 12/16 in)
Security	Password protection, IP address filtering, HTTPS ^b encryption, IEEE 802.1X ^b network access control, digest authentication, user access log, centralized certificate management	Weight	532 g (1.17 lb)
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTP/2, 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, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, MQTT, Syslog	Included accessories	Installation Guide, Windows [®] decoder 1-user license, AVHS Authentication key
System integration		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 axis.com
Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at axis.com AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF [®] Profile G and ONVIF [®] Profile S, specification at onvif.org	Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at axis.com/vms
Analytics	Included AXIS Video Motion Detection Active tampering alarm, audio 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	Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Event triggers	Analytics, external inputs Edge storage events	Warranty	5-year warranty, see 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		
Built-in installation aids	Pixel counter		

- 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 (eyay@cryptsoft.com).

Environmental responsibility:
axis.com/environmental-responsibility