

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 | |
|--|---|
| Video compression | H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG |
| Resolutions | 1920x1200/1080 (WUXGA/1080p) ^a to 480x270 1280x720 to 480x270 |
| 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) |
| 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 |
| 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 8/16/32 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 |
| 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™, 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); specifications at www.axis.com AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF Profile S; specification at www.onvif.org |
| 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 |
| 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 | 512 MB RAM, 256 MB Flash |
| 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 |
| 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 | 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 |
| 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 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 |
| Dimensions | 51 x 121 x 121 mm (2 1/16 x 4 12/16 x 4 12/16 in) |
| Weight | 532 g (1.17 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 on www.axis.com/techsup/software |
| Warranty | Axis 3-year warranty and AXIS Extended Warranty option, see www.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 (<http://www.openssl.org/>), and cryptographic software written by Eric Young (ey@cryptsoft.com).

More information is available at www.axis.com