

## 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](#)



# AXIS F41 Main Unit

<b>Video</b>		Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://axis.com/acap">axis.com/acap</a>
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG	
<b>Resolution</b>	1920x1200/1080 (WUXGA/1080p) <sup>a</sup> to 480x270 1280x720 to 480x270	
<b>Wide dynamic range</b>	WDR – forensic capture	
<b>Frame rate</b>	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)	
<b>Video streaming</b>	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	<b>General</b> <b>Casing</b> Aluminum <b>Sustainability</b> PVC-free <b>Memory</b> 512 MB RAM, 256 MB Flash <b>Power</b> 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 <b>Connectors</b> 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 <b>Storage</b> 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 <a href="http://axis.com">axis.com</a> <b>Operating conditions</b> -30 °C to 60 °C (-22 °F to 140 °F) Humidity 10-85% RH (non-condensing) <b>Storage conditions</b> -40 °C to 65 °C (-40 °F to 149 °F) Humidity 5-95% RH (non-condensing) <b>Approvals</b> 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 SM3 (vibration, shock) Network NIST SP500-267 <b>Dimensions</b> 51 x 121 x 121 mm (2 1/16 x 4 12/16 x 4 12/16 in) <b>Weight</b> 532 g (1.17 lb) <b>Included accessories</b> Installation Guide, Windows® decoder 1-user license, AVHS Authentication key <b>Optional accessories</b> 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 <a href="http://axis.com">axis.com</a> <b>Video management software</b> AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at <a href="http://axis.com/vms">axis.com/vms</a> <b>Languages</b> English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese <b>Warranty</b> 5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>
<b>Image settings</b>	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 <sup>a</sup> : Up to 120 dB depending on scene	
<b>Audio</b>		
<b>Audio streaming</b>	Two-way	
<b>Audio encoding</b>	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	
<b>Audio input/output</b>	External microphone input or line input, line output	
<b>Network</b>		
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>b</sup> encryption, IEEE 802.1X <sup>b</sup> network access control, digest authentication, user access log, centralized certificate management	
<b>Supported protocols</b>	IPv4, IPv6 USGv6, HTTP, HTTP/2, HTTPS <sup>b</sup> , SSL/TLS <sup>b</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP <sup>TM</sup> , 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	
<b>System integration</b>		
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://axis.com">axis.com</a> AXIS Video Hosting System (AVHS) with One-Click Connection One-click cloud connection ONVIF <sup>®</sup> Profile G and ONVIF <sup>®</sup> Profile S, specification at <a href="http://onvif.org">onvif.org</a>	
<b>Event triggers</b>	Analytics, external inputs Edge storage events	
<b>Event actions</b>	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	
<b>Built-in installation aids</b>	Pixel counter	
<b>Data streaming</b>	Event data	
<b>Analytics</b>		
<b>Applications</b>	Included AXIS Video Motion Detection Active tampering alarm, audio detection Supported AXIS Cross Line Detection AXIS Digital Autotracking	

- 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](http://openssl.org)), and cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).

Environmental responsibility:

[axis.com/environmental-responsibility](http://axis.com/environmental-responsibility)