

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

Video

Video compression

H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles
Motion JPEG

Resolution

1920x1200/1080 (WUXGA/1080p)¹ to 480x270
1280x720 to 480x270

WDR

WDR – forensic capture

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)

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

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 Capture¹: Up to 120 dB depending on scene

Audio

Audio streaming

Two-way

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

Audio input/output

External microphone input or line input, line output

Network

Security

Password protection, IP address filtering, HTTPS² encryption, IEEE 802.1X² network access control, digest authentication, user access log, centralized certificate management

Network protocols

IPv4, IPv6 USGv6, HTTP, HTTP/2, HTTPS², SSL/TLS², QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP™, 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

System integration

Application Programming Interface

Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com
One-click cloud connection
ONVIF® Profile G and ONVIF® Profile S, specification at onvif.org

Video management systems

Compatible with AXIS Camera Station Edge, AXIS Camera Station Pro, AXIS Camera Station 5, and video management software from Axis' partners available at axis.com/vms.

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

1. Valid for sensor units that support it

2. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (ey@cryptsoft.com).

Analytics

Applications

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

General

Casing

Aluminum

Sustainability

PVC-free

Memory

512 MB RAM, 256 MB Flash

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

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

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

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)

Humidity 5-95% RH (non-condensing)

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

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 TF9902 Surface Mount

AXIS TF9903 DIN Rail Clip

AXIS T8120 15 W Midspan 1-port

AXIS T83 Microphones

For more accessories, see axis.com

Languages

English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese

Warranty

5-year warranty, see axis.com/warranty