

AXIS M7016 Video Encoder

Cost-effective 16-channel video encoder.

AXIS M7016 offers high-quality video and efficient and affordable integration of analog cameras into an IP-based video surveillance system. It can be used as a standalone unit or be mounted in a 19" rack. The 16-channel encoder offers H.264 and Motion JPEG streams in all resolutions up to D1. A single Ethernet port serves all 16 channels. AXIS M7016 offers video motion detection and active tampering alarm. It comes with a power supply and has four built-in memory card slots for edge storage.

- > **Full frame rate**
- > **Edge storage**
- > **High resolution quad-view**



AXIS M7016 Video Encoder

Video

Video compression

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

Resolution

720x576 to 176x120
1536x1152 to 176x120 for quad view

Frame rate

Up to 25/30 fps (PAL/NTSC)
Up to 15 fps in quad view in full resolution

Video streaming

Multiple streams if identical or limited in frame rate/
resolution
Controllable frame rate and bandwidth, VBR/CBR H.264

Image settings

Compression, Color, Brightness, Contrast, Aspect ratio
correction, Mirroring of images, Text and image overlay,
Privacy mask, Enhanced deinterlace filter, Video
termination, Anti-aliasing, Temporal noise filtering
Rotation: 90°, 180°, 270°

Pan/Tilt/Zoom

Wide range of analog PTZ cameras supported (drivers
available for download at www.axis.com)
Support for one PTZ driver in each group of 4 channels
Up to 100 presets/camera, Guard tour, PTZ control
queue
Supports Windows compatible joysticks

Network

IP address

Four IP addresses, one per four channels

Security

Password protection, IP address filtering, HTTPS¹
encryption, IEEE 802.1X¹ network access control, Digest
authentication, User access log

Network protocols

IPv4/v6, HTTP, HTTPS¹, IEEE 802.1X¹, QoS Layer 3
DiffServ, FTP, SMTP, Bonjour, UPnPTM,
SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP,
TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP,
SOCKS, SSH, CIFS/SMB

System integration

Application Programming Interface

Open API for software integration, including VAPIX®;
specifications at www.axis.com
One-click cloud connection
ONVIF Profile S; specification at www.onvif.org

Analytics

Video motion detection, Active tampering alarm

Event triggers

Analytics, Video loss

Event actions

File upload: FTP, HTTP, HTTPS, network share and email
Notification: email, HTTP, HTTPS and TCP
Video recording to edge storage
Pre- and post-alarm video buffering
PTZ preset

Data streaming

Event data

Built-in installation aids

Pixel counter

General

Casing

Metal casing, Standalone, rackmount or wallmount

Sustainability

PVC free

Memory

4x 512 MB RAM
4x 128 MB Flash

1. 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).

Power

AXIS PS-P power supply 12 V DC, 17 W

Connectors

16 x Analog composite video BNC inputs, NTSC/PAL auto-sensing
1 x 1000 Base TX Ethernet on RJ45
4 x Terminal blocks for RS422/RS485 serial communication (full duplex)
1 x DC input terminal block

Storage

Support for microSD/microSDHC/microSDXC card
Support for recording to dedicated network-attached storage (NAS)
For SD card and NAS recommendations see www.axis.com

Operating conditions

0 °C to 50 °C (32 °F to 122 °F)
Humidity 20-80% RH (non-condensing)

Storage conditions

-40 °C to 65 °C (-40 °F to 149 °F)

Approvals

EN 55022 Class B, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, 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, IEC/EN/UL 60950-1

Dimensions

482 x 44 x 114 mm (19 x 1.73 x 4.5 in)

Weight

1850 g (4.1 lb)

Included accessories

Power supply, Mounting and connector kits (incl. 2 mount brackets and 4 rubber feet), Installation Guide, Windows decoder user licenses

Optional accessories

For more accessories, see www.axis.com

Video management software

AXIS Companion version 3, AXIS Camera Station, Video management software from Axis' Application Development Partners available on www.axis.com/techsup/software

Languages

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

Warranty

5-year warranty, see axis.com/warranty
