

AXIS M7016 Video Encoder

Cost-effective 16-channel video encoder.

AXIS M7016 offers high-quality video and efficient and affordable integration of analog CCTV 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 one H.264 and one Motion JPEG stream per channel, 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 and support for software such as the complimentary AXIS Camera Companion.

- > [Full frame rate](#)
- > [Simultaneous H.264 and Motion JPEG streams](#)
- > [Edge storage](#)
- > [High resolution quad-view](#)



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Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline and Main Profile Motion JPEG
Resolutions	176x120 to 720x576 176x120 to 1536x1152 for quad view
Frame rate	25/30 (PAL/NTSC) fps 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 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, HTTPS ^a encryption, IEEE 802.1X ^a network access control, Digest authentication, User access log
Supported protocols	IPv4/v6, HTTP, HTTPS ^a , IEEE 802.1X ^a , QoS Layer 3 DiffServ, FTP, SMTP, Bonjour, UPnP TM , SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH
System integration	
Application Programming Interface	Open API for software integration, including VAPIX [®] ; specifications at www.axis.com AXIS Video Hosting System (AVHS) with One-Click 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
Power	AXIS PS-P power supply 12 V DC, 17 W
Connectors	16 x Analog composite video inputs (BNC) 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	AXIS T8310 Video Surveillance Control Board AXIS Surveillance microSDXC [™] Card 64 GB
Video management software	AXIS Camera Companion, 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	Axis 3-year warranty and AXIS Extended Warranty option, see www.axis.com/warranty

- a. 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).

Environmental responsibility:

www.axis.com/environmental-responsibility