

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](#)



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Video		Casing	Metal casing, Standalone, rackmount or wallmount
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline and Main Profile Motion JPEG	Sustainability	PVC free
Resolution	720x576 to 176x120 1536x1152 to 176x120 for quad view	Memory	4x 512 MB RAM 4x 128 MB Flash
Frame rate	25/30 (PAL/NTSC) fps 15 fps in quad view in full resolution	Power	AXIS PS-P power supply 12 V DC, 17 W
Video streaming	Multiple streams if identical or limited in frame rate/resolution Controllable frame rate and bandwidth, VBR/CBR H.264	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
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°	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
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	Operating conditions	0 °C to 50 °C (32 °F to 122 °F) Humidity 20-80% RH (non-condensing)
Network		Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)
IP address	Four IP addresses, one per four channels	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
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X ^a network access control, Digest authentication, User access log	Dimensions	482 x 44 x 114 mm (19 x 1.73 x 4.5 in)
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, CIFS/SMB	Weight	1850 g (4.1 lb)
System integration		Included accessories	Power supply, Mounting and connector kits (incl. 2 mount brackets and 4 rubber feet), Installation Guide, Windows decoder user licenses
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	Optional accessories	For more accessories, see www.axis.com
Analytics	Video motion detection, Active tampering alarm	Video management software	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on www.axis.com/techsup/software
Event triggers	Analytics, Video loss	Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
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	Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see www.axis.com/warranty
Data streaming	Event data		
Built-in installation aids	Pixel counter		
General			

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