

## 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](#)



# AXIS M7016 Video Encoder

Video		System integration	
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline and Main Profile Motion JPEG	<b>Application Programming Interface</b>	Open API for software integration, including VAPIX®; specifications at <a href="http://www.axis.com">www.axis.com</a> AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF Profile S; specification at <a href="http://www.onvif.org">www.onvif.org</a>
<b>Resolutions</b>	176x120 to 720x576 176x120 to 1536x1152 for quad view	<b>Analytics</b>	Video motion detection, Active tampering alarm
<b>Frame rate</b>	25/30 (PAL/NTSC) fps 15 fps in quad view in full resolution	<b>Event triggers</b>	Analytics, Video loss
<b>Video streaming</b>	Multiple streams if identical or limited in frame rate/resolution Controllable frame rate and bandwidth, VBR/CBR H.264	<b>Event actions</b>	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
<b>Image settings</b>	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°	<b>Data streaming</b>	Event data
<b>Pan/Tilt/Zoom</b>	Wide range of analog PTZ cameras supported (drivers available for download at <a href="http://www.axis.com">www.axis.com</a> ) Support for one PTZ driver in each group of 4 channels 100 presets/camera, Guard tour, PTZ control queue Supports Windows compatible joysticks	<b>Built-in installation aids</b>	Pixel counter
Network		General	
<b>IP address</b>	Four IP addresses, one per four channels	<b>Casing</b>	Metal casing, Standalone, rackmount or wallmount
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, Digest authentication, User access log	<b>Sustainability</b>	PVC free
<b>Supported protocols</b>	IPv4/v6, HTTP, HTTPS <sup>a</sup> , IEEE 802.1X <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SMTP, Bonjour, UPnP™, SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH	<b>Memory</b>	4x 512 MB RAM 4x 128 MB Flash
		<b>Power</b>	AXIS PS-P power supply 12 V DC, 17 W
		<b>Connectors</b>	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
		<b>Storage</b>	Support for microSD/microSDHC/microSDXC card Support for recording to dedicated network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://www.axis.com">www.axis.com</a>
		<b>Operating conditions</b>	0 °C to 50 °C (32 °F to 122 °F) Humidity 20-80% RH (non-condensing)
		<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F)
		<b>Approvals</b>	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
		<b>Dimensions</b>	482 x 44 x 114 mm (19 x 1.73 x 4.5 in)
		<b>Weight</b>	1850 g (4.1 lb)
		<b>Included accessories</b>	Power supply, Mounting and connector kits (incl. 2 mount brackets and 4 rubber feet), Installation Guide, Windows decoder user licenses
		<b>Optional accessories</b>	AXIS T8310 Video Surveillance Control Board AXIS Surveillance microSDXC™ Card 64 GB
		<b>Video management software</b>	AXIS Camera Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on <a href="http://www.axis.com/techsup/software">www.axis.com/techsup/software</a>
		<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
		<b>Warranty</b>	Axis 3-year warranty and AXIS Extended Warranty option, see <a href="http://www.axis.com/warranty">www.axis.com/warranty</a>

- 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](mailto:ey@cryptsoft.com)).

Environmental responsibility:

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