AXIS M70 Video Encoder Series
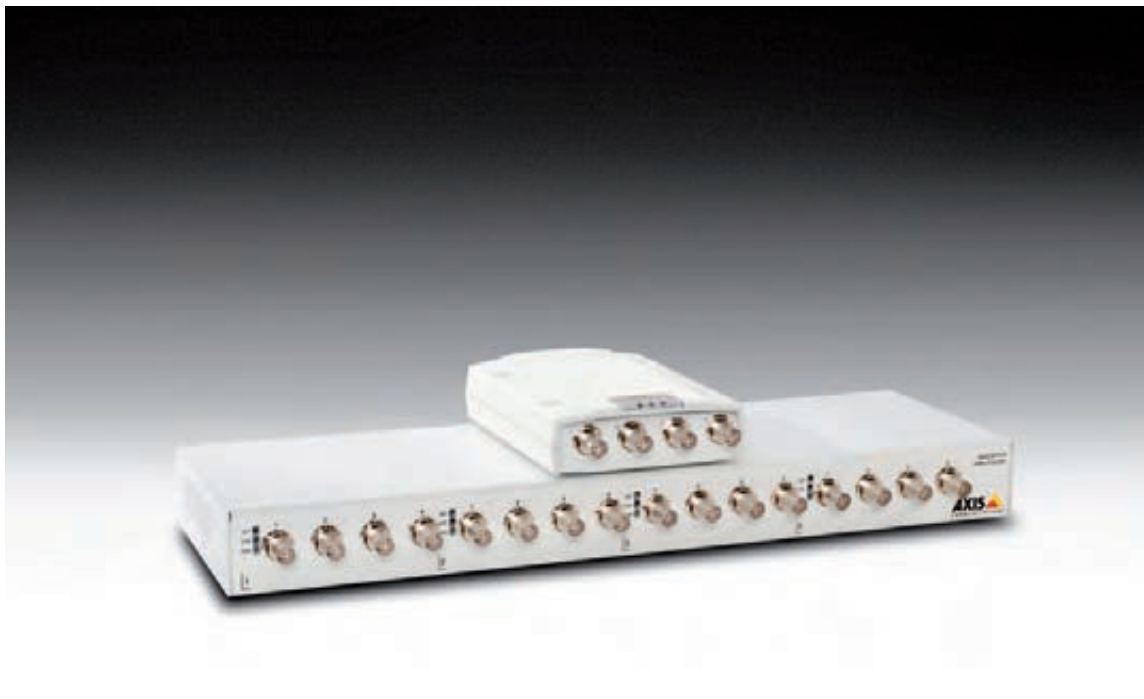
Cost-effective video encoders with H.264.

> **High quality video**

> **Simultaneous H.264 and Motion JPEG streams**

> **Edge storage**

> **High resolution quad-view**

> **Power over Ethernet**

AXIS M70 Video Encoder Series offers high quality video, efficient and affordable integration of analog cameras into a powerful IP-based video surveillance system and is ideal for locations such as gas stations, convenience stores and small offices.

AXIS M70 Series comprises two models, ranging from four to 16 channels, providing H.264 and Motion JPEG streams. The support for H.264 offers a video compression format that drastically reduces bandwidth and storage requirements without compromising image quality.

AXIS M7010 and AXIS M7014 offer one H.264 and one Motion JPEG stream per channel at 15 fps in all resolutions up to D1 (720x480 NTSC or 720x576 PAL).

AXIS M70 Series offers intelligent video capabilities such as video motion detection and active tampering alarm. The video encoders also include microSDHC memory card slots for edge storage.

AXIS M70 Series includes support for Power over Ethernet (IEEE 802.3af), which enables the encoders to receive power through the network cable. All Axis video encoder products provide pan, tilt and zoom support, enabling control of analog PTZ cameras.

Technical specifications – AXIS M70 Video Encoder Series

Video encoder

Models	**AXIS M7014**: 4-channel video encoders **AXIS M7010**: 16-channel video encoders
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 H.264	15 fps in all resolutions
Frame rate Motion JPEG	15 fps in all resolutions
Video streaming	One individually configured H.264 and one Motion JPEG stream per channel at 15 fps. More streams if identical or limited in frame rate/resolution Controllable frame rate and bandwidth VBR/CBR H.264
Image settings	Compression, color, brightness, contrast Rotation: 90°, 180°, 270° Aspect ratio correction, mirroring of images, text and image overlay, privacy mask, enhanced deinterlace filter, video termination, antialiasing, temporal noise filtering

Network

Security	Password protection, IP address filtering, HTTPS* encryption, IEEE 802.1X* network access control, digest authentication, user access log
Supported protocols	IPv4/v6, HTTP, HTTPS*, IEEE 802.1X* 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

System integration

Application Programming Interface	Open API for software integration, including VAPIX® from Axis Communications, available at www.axis.com ONVIF, specification available at www.onvif.org
Intelligent video	Video motion detection, active tampering alarm
Alarm triggers	Intelligent video, video loss
Alarm actions	File upload via FTP, HTTP and email, Notification via email, HTTP and TCP, PTZ preset
Pan/Tilt/Zoom	Wide range of analog PTZ cameras supported (drivers available for download at www.axis.com) **AXIS M7014:** Support for one PTZ driver **AXIS M7010:** Support for one PTZ driver in each group of 4 channels 100 presets/camera, guard tour, PTZ control queue Supports Windows compatible joysticks

* This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (www.openssl.org)

More information is available at www.axis.com

General

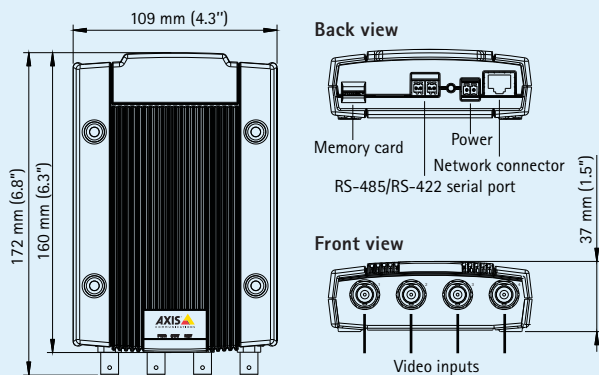|	
Casing	**AXIS M7014, AXIS M7010:** Standalone, metal casing **AXIS M7014:** Wallmount **AXIS M7010:** Rackmount or wallmount
Processor and memory	**AXIS M7014**: ARTPEC-4, 512 MB RAM, 128 MB Flash **AXIS M7010:** Same as above x 4
Power	**AXIS M7014:** 8–20 V DC, max 7W; Power over Ethernet IEEE 802.3af Class 3 **AXIS M7010:** 8–20 V DC, max 28W; 4 x Power over Ethernet IEEE 802.3af Class 3
Connectors	**AXIS M7014, M7010:** 1 x DC input terminal block **AXIS M7014:** 4 x analog composite video BNC inputs RJ-45 10BASE-T/100BASE-TX PoE Terminal block for RS-485/422 (full duplex) **AXIS M7010:** Same as above x 4
Edge storage	MicroSD/microSDHC/microSDXC slot supporting memory card up to 64 GB (card not included) **AXIS M7014:** One card slot **AXIS M7010:** Four card slots Support for recording to network share (network-attached storage or file server)
Operating conditions	0 – 50 °C (32 – 122 °F) Humidity 20 – 80% RH (non-condensing)
Approvals	EN 55022 Class B, EN 61000-3-2, EN 61000-3-3, EN 55024, EN61000-6-1, EN61000-6-2, EN 60950-1, C-tick AS/NZS CISPR 22, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, KCC Class B, UL/IEC/EN 60950-1
Weight	**AXIS M7014:** 570 g (1.26 lb.) **AXIS M7010:** 2540 g (5.6 lb.)
Included accessories	Power supply, mounting and connector kits, Installation Guide, CD with installation and management tools, software and User's Manual, Windows decoder user licenses

Optional accessories

AXIS T8310 Video Surveillance Control Board

AXIS T91A02 Din Rail Clip 86mm (AXIS M7014 only)

For information on AXIS Camera Station and video management software from Axis' Application Development Partners, see www.axis.com/products/video/software/

Dimensions: AXIS M7014 Video Encoder

109 mm (4.3'')

172 mm (6.8'')
160 mm (6.3'')

Back view

Memory card
Power
Network connector
RS-485/RS-422 serial port

37 mm (1.5'')

Front view

Video inputs

Dimensions: AXIS M7010 Video Encoder

Front view

Video inputs

31 mm (1.2'')

Back view

482 mm (19.0'')
440 mm (17.3'')

Power
Memory card
Network connector
RS-485/RS-422 serial port

Profile view

144 mm (5.7'')

45 mm (1.8'')

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