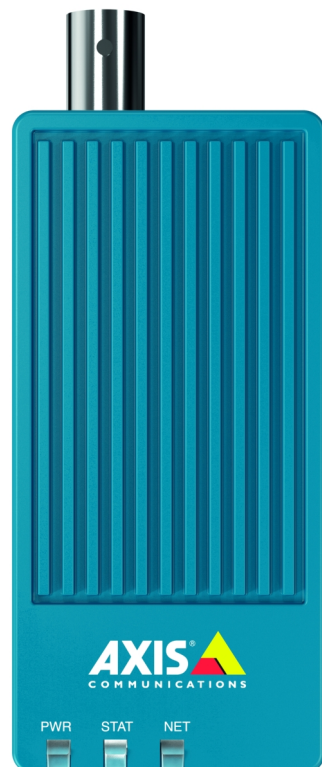# AXIS M7011 Video Encoder
Compact, 1-channel video encoder with Zipstream

The single-channel AXIS M7011 Video Encoder offers easy and cost-effective integration of analog CCTV cameras into an IP-based video surveillance system. It comes with Zipstream with support for H.264 video compression, which drastically reduces bandwidth and storage requirements without compromising image quality. Powered with PoE, it needs just one Ethernet cable for both data and power. The video encoder also features a microSD card slot for edge storage. AXIS M7011 is a simple, yet powerful, compact video encoder offered at an attractive price.

> **Highly compact design**

> **Zipstream with support for H.264**

> **Edge storage**

> **Power over Ethernet (PoE)**

> **RS-485/RS422 PTZ control**

AXIS M7011 Video Encoder

Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High profile Motion JPEG
Resolution	176x144/176x120 (PAL/NTSC) to 720x576/720x480 (PAL/NTSC)
Frame rate	25/30fps (PAL/NTSC) in all resolutions
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth
Image settings	Compression, color, brightness, contrast, rotation: 0°, 90°, 180°, 270°, aspect ratio correction, mirroring of images, text and image overlay, privacy mask, enhanced deinterlace filter, video termination, anti-aliasing, temporal noise filtering, sharpness, noise reduction, local enhancement

Network	
Security	Password protection, IP address filtering, HTTPS[a] encryption, IEEE 802.1X[a] network access control, Digest authentication, User access log, centralized certificate management
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS[a], SSL/TLS[a], QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMP v1/v2c/v3(MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH

System integration	
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at www.axis.com AXIS Video Hosting System (AVHS) with One-Click Camera Connection. ONVIF® Profile S and ONVIF® Profile G, specification at onvif.org
Analytics	**Included** AXIS Video Motion Detection, active tampering alarm **Supported** AXIS Perimeter Defender Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
Event triggers	Analytics, video loss, edge storage events
Event actions	File upload: FTP, SFTP, HTTP, HTTPS network share and email Notification: email, HTTP, HTTPS and TCP External output activation Pre- and post-alarm video buffering PTZ preset Status LED
Data streaming	Event data

General	

Casing	Material: PC+ABS CX7240 Color: Dark Blue 2T3D091 STD
Sustainability	PVC free
Memory	256 MB RAM, 256 MB Flash Battery backed-up real-time clock
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 1
Connectors	Analog composite video BNC input RJ45 10BaseT/100BaseTX PoE RS485/RS422
Storage	Support for microSD/microSDHC/microSDXC card Support for SD card encryption Support for recording to 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 10–85% RH (non-condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)
Approvals	**EMC** 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 A+B, ICES-003 Class B, VCCI Class B, RCM AS/NZS CISPR 22 Class B, KCC KN22 Class B, KN24 **Safety** IEC/EN/UL 60950-1 **Network** NIST SP500-267
Dimensions	90 x 29 x 38 mm (3.5 x 1.1 x 1.5 in)
Weight	71 g (0.16 lb)
Included accessories	Installation Guide, Windows decoder 1-user license, Mounting Bracket
Video management software	AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on axis.com/vms
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	5-year warranty, see axis.com/warranty

a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).

Environmental responsibility:

axis.com/environmental-responsibility

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