

## AXIS Q7401 Video Encoder

Full-featured video surveillance with outstanding H.264 performance.

AXIS Q7401 Video Encoder is a high performance, single channel solution that integrates an analog camera into an IP-based video surveillance system. With outstanding video processing capabilities, AXIS Q7401 delivers superb video quality and significant savings in bandwidth and storage. The video encoder delivers multiple, individually configurable video streams simultaneously at full frame rate in resolutions up to D1. AXIS Q7401 includes intelligent video capabilities such as enhanced video motion detection, active tampering alarm and audio detection. The encoder's external inputs and outputs can be connected to devices such as sensors and relays, enabling the system to react to alarms.

- > **Superb video quality**
- > **Multiple H.264 and motion JPEG streams**
- > **Power over Ethernet**
- > **Audio support**
- > **Edge storage**



## AXIS Q7401 Video Encoder

Video	
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Motion JPEG
<b>Resolution</b>	720x576 to 176x120
<b>Frame rate</b>	30/25 (NTSC/PAL) fps in all resolutions
<b>Video streaming</b>	Multi-stream H.264 and Motion JPEG: 3 simultaneous, individually configured streams in max. resolution at 30/25 fps; more streams if identical or limited in frame rate/resolution Controllable frame rate and bandwidth VBR/CBR H.264
<b>Image settings</b>	Compression, color, brightness, contrast Rotation: 90°, 180°, 270° Aspect ratio correction Mirroring of images Text and image overlay Privacy mask Enhanced deinterlace filter
<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> Up to 100 presets/camera Guard tour PTZ control queue Supports Windows compatible joysticks
Audio	
<b>Audio streaming</b>	Two-way, full duplex
<b>Audio compression</b>	AAC-LC 8 kHz 32 kbit/s, 16 kHz 64 kbit/s G.711 PCM 8 kHz, 64 kbit/s G.726 ADPCM 8 kHz/32 or 24 kbit/s
<b>Audio input/output</b>	External microphone input or line input Line level output
Network	
<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>Supported protocols</b>	IPv4/v6, HTTP, HTTPS <sup>a</sup> , <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SMTP, Bonjour, UPnP <sup>TM</sup> , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, CIFS/SMB
System integration	
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="http://www.axis.com">www.axis.com</a> AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF <sup>®</sup> Profile S, specification at <a href="http://www.onvif.org">www.onvif.org</a>
<b>Analytics</b>	Included AXIS Video Motion Detection, active tampering alarm, audio detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://www.axis.com/acap">www.axis.com/acap</a>
<b>Event triggers</b>	Analytics, external input, video loss, disk full
<b>Event actions</b>	File upload: FTP, HTTP, HTTPS, email
Notification: email, HTTP, HTTPS, TCP PTZ: PTZ preset External output activation Edge storage	
General	
<b>Casing</b>	Metal casing. Standalone or wall mount.
<b>Sustainability</b>	PVC free
<b>Memory</b>	128 MB RAM, 128 MB Flash Video buffer:64 MB pre- and post-alarm
<b>Power</b>	8–20 V DC, max 7.2 W or Power over Ethernet IEEE 802.3af Class 2/3
<b>Connectors</b>	Analog composite video BNC input, NTSC/PAL auto-sensing RJ-45 10BaseT/100BaseTX PoE DC terminal block: power in 8–20 V DC, max. 7.2 W or power out 12 V DC, max. 5 W I/O terminal block for four configurable inputs/outputs 3.5 mm mic/line in, 3.5 mm line out RS-485/RS-422
<b>Storage</b>	SD/SDHC memory card slot (Card is not included)
<b>Operating conditions</b>	0 °C to 50 °C (32 °F to 122 °F) Humidity 20–80% RH (non-condensing)
<b>Approvals</b>	C-tick AS/NZS CISPR 32 Class B, EN 55032 Class B, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class B, ICES-003 Class B, IEC/EN/UL 60950-1, VCCI Class B
<b>Dimensions</b>	98.9 x 118 x 32.1 mm (3.9 x 4.6 x 1.3 in)
<b>Weight</b>	335 g (0.7 lb)
<b>Included accessories</b>	Installation guide Windows decoder user license Power Supply Mounting and connector kits
<b>Optional accessories</b>	For more accessories, see <a href="http://www.axis.com">www.axis.com</a>
<b>Video management software</b>	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available on <a href="http://www.axis.com/support/downloads">www.axis.com/support/downloads</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. ([www.openssl.org](http://www.openssl.org)), and cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).

Environmental responsibility:

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