

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**



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Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Motion JPEG
Resolution	720x576 to 176x120
Frame rate	30/25 (NTSC/PAL) fps in all resolutions
Video streaming	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
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
Pan/Tilt/Zoom	Wide range of analog PTZ cameras supported, drivers available for download at www.axis.com Up to 100 presets/camera Guard tour PTZ control queue Supports Windows compatible joysticks
Audio	
Audio streaming	Two-way, full duplex
Audio compression	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
Audio input/output	External microphone input or line input Line level output
Network	
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X ^a network access control, digest authentication, user access log
Supported protocols	IPv4/v6, HTTP, HTTPS ^a , ^a , QoS Layer 3 DiffServ, FTP, SMTP, Bonjour, UPnP TM , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, CIFS/SMB
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 Connection ONVIF [®] Profile S, specification at www.onvif.org
Analytics	Included AXIS Video Motion Detection, active tampering alarm, audio detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see www.axis.com/acap
Event triggers	Analytics, external input, video loss, disk full
Event actions	File upload: FTP, HTTP, HTTPS, email

Notification: email, HTTP, HTTPS, TCP
PTZ: PTZ preset
External output activation
Edge storage

General	
Casing	Metal casing. Standalone or wall mount.
Sustainability	PVC free
Memory	128 MB RAM, 128 MB Flash Video buffer: 64 MB pre- and post-alarm
Power	8–20 V DC, max 7.2 W or Power over Ethernet IEEE 802.3af Class 2/3
Connectors	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
Storage	SD/SDHC memory card slot (Card is not included)
Operating conditions	0 °C to 50 °C (32 °F to 122 °F) Humidity 20–80% RH (non-condensing)
Approvals	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
Dimensions	98.9 x 118 x 32.1 mm (3.9 x 4.6 x 1.3 in)
Weight	335 g (0.7 lb)
Included accessories	Installation guide Windows decoder user license Power Supply Mounting and connector kits
Optional accessories	For more accessories, see www.axis.com
Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available on www.axis.com/support/downloads
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see www.axis.com/warranty

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

Environmental responsibility:
www.axis.com/environmental-responsibility