

AXIS Q7404 Video Encoder

High-performance, full-featured video encoder with H.264.

AXIS Q7404 is a 4-channel video encoder that integrates four analog cameras into an IP-based video surveillance system, delivering superb video quality and significant savings in bandwidth. It delivers multiple, individually configurable video streams simultaneously from each channel at full rate, in all resolutions up to D1. The video streams can be configured with different compression formats, resolutions and frame rates. AXIS Q7404 offers video motion detection, active tampering alarm and audio detection. Each channel has two configurable inputs/outputs for connection to external relays and sensors, and two-way audio provided on one video channel.

- > [Superb video quality](#)
- > [Multiple H.264 and motion JPEG streams per channel](#)
- > [Full frame rate in all resolutions](#)
- > [Intelligent video capabilities](#)
- > [Two-way audio support and I/O support](#)



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Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Motion JPEG
Resolution	720x576 to 176x144 720x480 to 176x120
Frame rate	30/25 (NTSC/PAL) fps in all resolutions
Video streaming	Multiple, individually configurable streams per channel in H.264 and/or Motion JPEG 3 simultaneous streams in max. resolution at 30/25 fps from each channel 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, half-duplex on Channel 1
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 inputs, video loss
Event actions	File upload: FTP, HTTP, HTTPS, email Notification: email, HTTP, HTTPS, TCP PTZ: PTZ preset External output activation
General	
Casing	Metal casing. Standalone or wall mount.
Sustainability	PVC free
Memory	4x 128 MB RAM, 4x 128 MB Flash Video buffer: 64 MB pre- and post-alarm
Power	8–20 V DC, max 16.1 W
Connectors	4x analog composite video BNC inputs, NTSC/PAL auto-sensing RJ-45 10BASE-T/100BASE-TX/1000BASE-T DC terminal block power 4x I/O terminal blocks with 2 configurable inputs/outputs per channel 3.5 mm mic/line in, 3.5 mm line out 4x RS-485/RS-422 serial ports
Operating conditions	0 °C to 45 °C (32 °F to 113 °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	151 x 184 x 35 mm (5.9 x 7.2 x 1.4 in)
Weight	796g (1.75 lb)
Included accessories	Installation guide Windows decoder user license Power Supply Mounting and connector kits
Optional accessories	For 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/vms
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