

AXIS Q7404 Video Encoder

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



- > Superb video quality
- > Multiple H.264 streams per channel
- > Full frame rate in all resolutions
- > Intelligent video capabilities
- > Two-way audio on one channel
- > PTZ support

AXIS Q7404 Video Encoder is a high performance, four-channel standalone solution that integrates four analog cameras at a time into an IP-based video surveillance system. AXIS Q7404 delivers superb video quality and significant savings in bandwidth and storage with H.264.

AXIS Q7404 offers the highly efficient H.264 video compression, which drastically reduces bandwidth and storage requirements without compromising image quality. Motion JPEG is also supported for increased flexibility.

AXIS Q7404 can deliver multiple video streams simultaneously from each video channel at full frame rate in all resolutions up to D1 (720x480 in NTSC, 720x576 in PAL). The video streams can be individually configured with different compression formats, resolutions and frame rates for different needs.

AXIS Q7404 offers intelligent video capabilities such as video motion detection, active tampering alarm and audio detection. Each video channel has two configurable inputs/outputs for connections to external devices such as sensors and relays, which enable the system to receive and respond to alarms. High-quality, two-way audio is provided on one video channel.

All four video channels support pan/tilt/zoom control for PTZ and PTZ dome cameras. It is also possible to control daisy-chained cameras from one RS-485/RS-422 serial port as long as they operate on the same protocol.

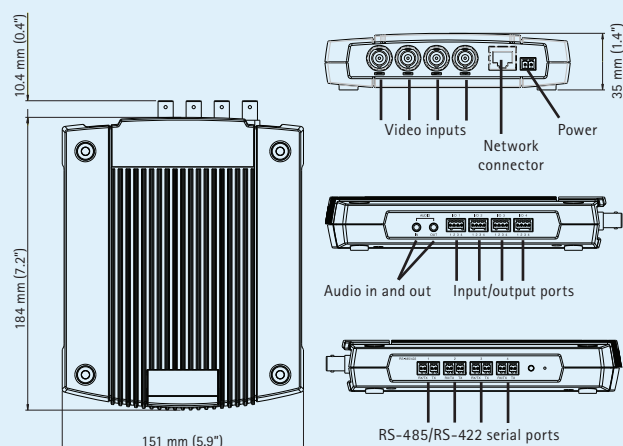


Technical specifications – AXIS Q7404 Video Encoder

Video encoder	
Video compression	H.264 (MPEG-4 Part 10/AVC) Motion JPEG
Resolutions	NTSC: 720x480 to 176x120 PAL: 720x576 to 176x144
Frame rate H.264	30/25 (NTSC/PAL) fps in all resolutions
Frame rate Motion JPEG	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
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* 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

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

Dimensions



System integration

Application Programming Interface	Open API for software integration, including VAPIX® from Axis Communications available at www.axis.com AXIS Camera Application Platform from Axis Communications; specifications available at www.axis.com
Intelligent video	Video motion detection, active tampering alarm, audio detection
Alarm triggers	Intelligent video, external inputs, video loss
Alarm events	File upload via FTP, HTTP and email Notification via email, HTTP and TCP External output activation PTZ presets
Video buffer	64 MB pre- and post-alarm per channel
Pan/Tilt/Zoom	Wide range of analog PTZ cameras supported (drivers available for download at www.axis.com) 100 presets, guard tour, PTZ control queue Supports Windows compatible joysticks

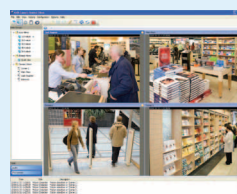
General

Casing	Metal casing. Standalone or wall mount
Processor and memory	4x ARTPEC-3, 4x 128 MB RAM, 4x 128 MB Flash
Power	8-20 V DC, max. 16.1 W
Connectors	4 analog composite video BNC inputs, NTSC/PAL auto-sensing RJ-45 10BASE-T/100BASE-TX/1000BASE-T DC terminal block: power in 8-20 V DC, max. 16.1 W 4 I/O terminal blocks with 2 configurable inputs/outputs per channel 3.5 mm mic/line in, 3.5 mm line out 4 RS-485/RS-422 serial ports
Operating conditions	0 °C - 45 °C (32 °F - 113 °F) Humidity 20-80% RH (non-condensing)
Approvals	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 B, ICES-003 Class B, VCCI Class B, C-tick AS/NZS CISPR 22, EN 60950-1 Power supply PS-P: EN 60950-1, UL, CSA
Weight	796 g (1.75 lb.)
Included accessories	Power supply, mounting and connector kits, Installation Guide, CD with installation and management tools, software and User's Manual, 4 Windows decoder user licenses

More information is available on www.axis.com

Optional accessories

AXIS 295 Video Surveillance Joystick



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