

AXIS Q7414 Video Encoder Blade

High-density video surveillance solution with H.264 and full audio support.

AXIS Q7414 Video Encoder Blade is a four-channel blade integrating audio channels into an IP-based video surveillance system. A superb video quality is provided in all resolutions up to D1. In addition, the two-way audio support and built-in phantom power source with adjustable input gain simplifies the installation of balanced microphones. When AXIS Q7414 blades are used with a video encoder chassis, up to 56 analog cameras can be supported in one 5U, 19-inch rack. The encoder's external inputs and outputs can be connected to devices such as sensors and relays, enabling the system to react to alarms, activate lights or open/close doors.

- > **Superb video quality**
- > **Multiple H.264 and motion JPEG streams**
- > **Four audio channels and I/O support**
- > **Support for balanced microphones**
- > **Intelligent video capabilities**



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Video		Support for AXIS Camera Application Platform enabling installation of third-party applications, see www.axis.com/acap
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	Multi-stream H.264 and Motion JPEG: multiple simultaneous, individually configured streams in max. resolution at 30/25 fps per channel. 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 masks Enhanced deinterlace filter Video termination Anti-aliasing	
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	Event triggers Analytics, external inputs, video loss, audio detection
Audio		Event actions File upload: FTP, HTTP, HTTPS, email Notification: email, HTTP, HTTPS, TCP PTZ: PTZ preset External output activation Play audio clip Pre- and post-alarm video buffering
Audio streaming	Two-way	General
Audio encoding	In: AAC-LC 8 or 16 kHz 8-64 kbit/s, G.711 PCM 8 kHz 64 kbit/s, G.726 ADPCM 8 kHz 32 or 24 kbit/s Out: G.711 PCM 8 kHz 64 kbit/s, μ -law PCM 16 kHz 128 kbit/s, G.726 ADPCM 8 kHz 32 kbit/s or 24 kbit/s	Casing Compatible with AXIS 291 1U Video Server Rack AXIS Q7900 and Q7920 Video Encoder Chassis
Audio input/output	External microphone input or line input (balanced or unbalanced) Line output (unbalanced) Phantom Power	Sustainability PVC free
Network		Processor 4x ARTPEC-3
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X ^a network access control, digest authentication, user access log	Memory 4x 256 MB RAM, 4x 128 MB Flash
Supported protocols	IPv4/v6, HTTP, HTTPS ^a , QoS Layer 3 DiffServ, FTP, SMTP, Bonjour, UPnP TM , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, CIFS/SMB	Power 12 V DC, max 13.0 W
System integration		Connectors 4x analog composite video BNC inputs, NTSC/PAL auto-sensing 4x 3.5 mm jacks for mono microphone or line input (max. 6 Vpp) and mono line output (typical 1.8 Vpp at 1 kohm) 8 configurable external inputs/outputs Up to 4 RS-485/RS-422 half duplex, depending on the rack
Application Programming Interface	Open API for software integration, including AXIS Camera Application Platform; specifications at www.axis.com AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF [®] , specification at www.onvif.org	Operating conditions 0 °C to 45 °C (32 °F to 113 °F) Humidity 20–80% RH (non-condensing)
Analytics	Included AXIS Video Motion Detection, audio detection, active tampering alarm	Approvals EN 55024, EN 55032 Class B, 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, KCC Class A, RCM AS/NZS CISPR 32 Class B, VCCI Class B, UL/IEC/EN 60950-1
		Dimensions 129 x 255 mm (5.1 x 10.0 in)
		Weight 229 g (0.50 lb)
		Included accessories Installation guide Windows decoder user license Recording software and User's manual
		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 5-year warranty, see 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 (eyay@cryptsoft.com).
		Environmental responsibility: axis.com/environmental-responsibility