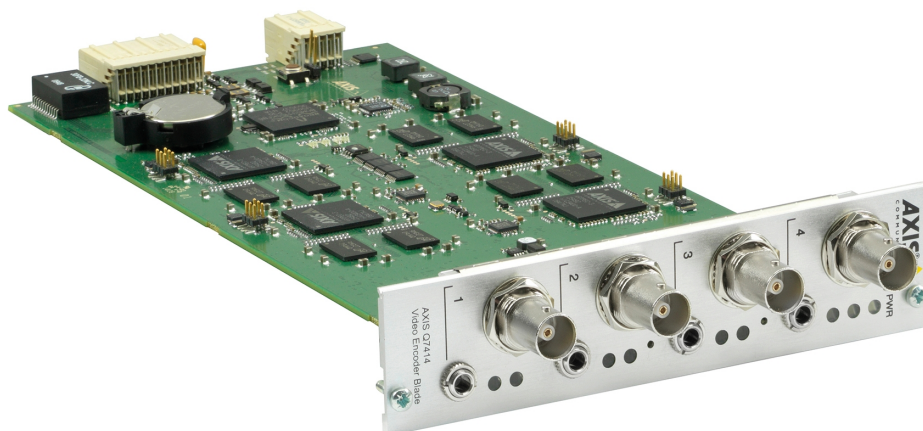


AXIS Q7414 Video Encoder Blade

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**



AXIS Q7414 Video Encoder Blade

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	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
Audio	
Audio streaming	Two-way
Audio compression	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
Audio input/output	External microphone input or line input (balanced or unbalanced) Line output (unbalanced) Phantom Power
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 , 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 AXIS Camera Application Platform; specifications at www.axis.com AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF [®] , specification at www.onvif.org
Analytics	Included AXIS Video Motion Detection, audio detection, active tampering alarm
	Support for AXIS Camera Application Platform enabling installation of third-party applications, see www.axis.com/acap
Event triggers	Analytics, external inputs, video loss, audio detection
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
General	
Casing	Compatible with AXIS 291 1U Video Server Rack AXIS Q7900 and Q7920 Video Encoder Chassis
Sustainability	PVC free
Processor	4x ARTPEC-3
Memory	4x 256 MB RAM, 4x 128 MB Flash
Power	12 V DC, max 13.0 W
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
Operating conditions	0 °C to 45 °C (32 °F to 113 °F) Humidity 20–80% RH (non-condensing)
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	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