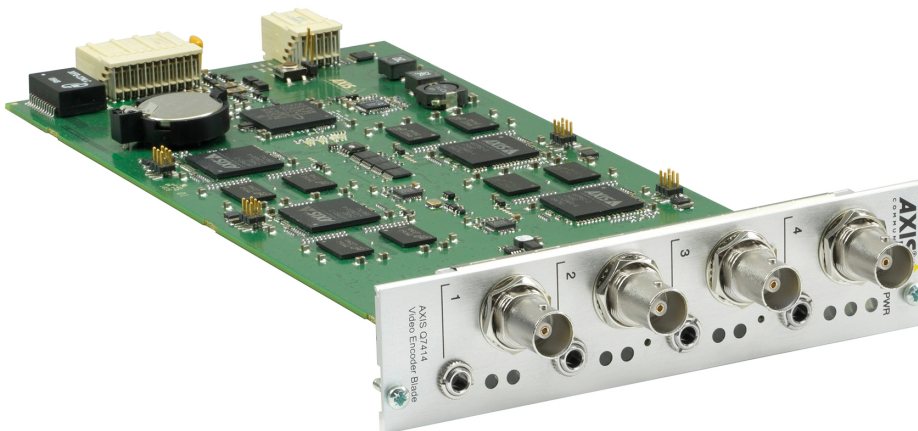


# AXIS Q7414 Video Encoder Blade

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

<b>Video</b>		Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://www.axis.com/acap">www.axis.com/acap</a>
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Motion JPEG	
<b>Resolution</b>	720x576 to 176x144 720x480 to 176x120	
<b>Frame rate</b>	30/25 (NTSC/PAL) fps in all resolutions	
<b>Video streaming</b>	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.	
<b>Image settings</b>	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	
<b>Pan/Tilt/Zoom</b>	Wide range of analog PTZ cameras supported, drivers available for download at <a href="http://www.axis.com">www.axis.com</a> Up to 100 presets/camera Guard tour PTZ control queue Supports Windows compatible joysticks	<b>Event triggers</b> Analytics, external inputs, video loss, audio detection
<b>Audio</b>		<b>Event actions</b> 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
<b>Audio streaming</b>	Two-way	<b>General</b>
<b>Audio encoding</b>	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, $\mu$ -law PCM 16 kHz 128 kbit/s, G.726 ADPCM 8 kHz 32 kbit/s or 24 kbit/s	<b>Casing</b> Compatible with AXIS 291 1U Video Server Rack AXIS Q7900 and Q7920 Video Encoder Chassis
<b>Audio input/output</b>	External microphone input or line input (balanced or unbalanced) Line output (unbalanced) Phantom Power	<b>Sustainability</b> PVC free
<b>Network</b>		<b>Processor</b> 4x ARTPEC-3
<b>Security</b>	Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, digest authentication, user access log	<b>Memory</b> 4x 256 MB RAM, 4x 128 MB Flash
<b>Supported protocols</b>	IPv4/v6, HTTP, HTTPS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SMTP, Bonjour, UPnP <sup>TM</sup> , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, CIFS/SMB	<b>Power</b> 12 V DC, max 13.0 W
<b>System integration</b>		<b>Connectors</b> 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
<b>Application Programming Interface</b>	Open API for software integration, including AXIS Camera Application Platform; specifications at <a href="http://www.axis.com">www.axis.com</a> One-click cloud connection ONVIF <sup>®</sup> , specification at <a href="http://www.onvif.org">www.onvif.org</a>	<b>Operating conditions</b> 0 °C to 45 °C (32 °F to 113 °F) Humidity 20–80% RH (non-condensing)
<b>Analytics</b>	Included AXIS Video Motion Detection, audio detection, active tampering alarm	<b>Approvals</b> 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
		<b>Dimensions</b> 129 x 255 mm (5.1 x 10.0 in)
		<b>Weight</b> 229 g (0.50 lb)
		<b>Included accessories</b> Installation guide Windows decoder user license Recording software and User's manual
		<b>Optional accessories</b> For accessories, see <a href="http://www.axis.com">www.axis.com</a>
		<b>Video management software</b> AXIS Companion version 3, AXIS Camera Station, video management software from Axis Application Development Partners available on <a href="http://www.axis.com/vms">www.axis.com/vms</a>
		<b>Languages</b> English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
		<b>Warranty</b> 5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>
		a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ( <a href="http://www.openssl.org">www.openssl.org</a> ), and cryptographic software written by Eric Young ( <a href="mailto:ey@cryptsoft.com">ey@cryptsoft.com</a> ).
		Environmental responsibility: <a href="http://axis.com/environmental-responsibility">axis.com/environmental-responsibility</a>