AXIS Q7436 Video Encoder Blade

High-performance, flexible 6-channel video encoder

> **Outstanding video processing performance**

> **60/50 fps support**

> **Coax PTZ control**

> **Intelligent video capabilities**

> **H.264 and Motion JPEG**

AXIS Q7436 Video Encoder Blade is a high performance 6-channel solution offering outstanding performance and great flexibility. The video encoder blade enables a large number of analog cameras to be integrated into an IP-based, high-density video surveillance system, ideal for demanding locations such as airports, railway stations and city surveillance.

AXIS Q7436 fits perfectly into AXIS Q7920 Video Encoder Chassis, which is a rack mount encoder chassis with support for up to 84 analog cameras. The video encoder blade enables 6 analog video channels to be converted into high quality H.264 and Motion JPEG streams. AXIS Q7436 can deliver multiple, individually configurable video streams from each channel, at full frame rate in all resolutions.

It supports 60/50 frames per second, providing smooth video in high motion streams. AXIS Q7436 offers great image features such as reduced noise, enhanced sharp-

ness and optimized contrast, allowing for even better image quality output.

AXIS Q7436 provides outstanding performance and intelligent video capabilities, such as tampering alarm and motion detection, in addition to Axis Camera Application Platform applications.

The video encoder blade offers significant installation savings, by allowing PTZ control over the coaxial cable* in addition to the standard support for PTZ cameras using the serial ports.

*Compatible with Coaxitron® by Pelco

Technical Specifications – AXIS Q7436 Video Encoder Blade

Video

Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High profile Motion JPEG
Resolutions	176x120 to 720x576 NTSC/PAL
Frame rate	H.264: Up to 60/50 fps (NTSC/PAL) fps in all resolutions Motion JPEG: Up to 60/50 fps (NTSC/PAL) fps in all resolutions
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth, VBR/CBR H.264
Image settings	Compression, Color, Brightness, Sharpness, Contrast Rotation: 90°, 180°, 270° Aspect ratio correction, Text and image overlay, Privacy mask, Mirroring of images, Enhanced deinterlace filter, Video termination, Anti-aliasing, Noise reduction, Local contrast
Pan/Tilt/Zoom	Wide range of analog PTZ cameras supported (drivers available for download at www.axis.com) 100 presets/camera, Guard tour, PTZ control queue Supports Windows compatible joysticks, Compatible with Coaxitron® by Pelco

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, CIFS/SMB, SMTP, Bonjour, UPnPTM, SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS

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 Camera Connection. ONVIF Profile S, specification at www.onvif.org

Intelligent video	Video motion detection, Active tampering alarm, AXIS Camera Application Platform enabling installation of additional applications
Event triggers	Intelligent video, Video loss, External inputs
Event actions	File upload: FTP, HTTP, network share and email Notification: email, HTTP and TCP External output activation Pre- and post-alarm video buffering PTZ preset, Status LED
Data streaming	Event data

General

Memory	6x 256 MB RAM, 6x 256 MB Flash
Power	12 V DC, max. 16.3 W
Connectors	6x analog composite video BNC inputs
Operating conditions	0° C to 45° C (32° F to 113° F) Humidity 10–85% RH (non-condensing)
Approvals	EN 55022 Class B, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, EN 55024, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, C-tick AS/NZS CISPR22, KCC KN22 Class B, IEC/EN/UL 60950-1
Weight	303 g (0.6 lb)
Included accessories	Installation Guide, Installation and Management Software CD, Windows decoder user license
Video management software	AXIS Camera Companion (included), AXIS Camera Station and video management software from Axis' Application Development Partners (not included). For more information, see www.axis.com/products/video/software
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 (eay@cryptsoft.com).*
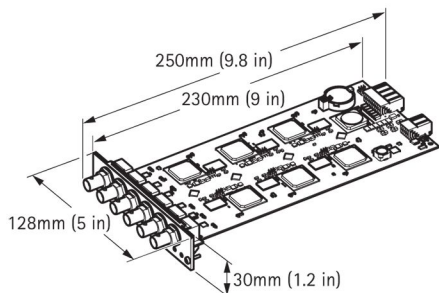
More information is available at www.axis.com

Required hardware

1. *AXIS Q7920 Video Encoder Chassis*
2. *AXIS Q7900 Rack*
3. *AXIS 291 1U Video Server Rack*

Dimensions

250mm (9.8 in)
230mm (9 in)
128mm (5 in)
30mm (1.2 in)

Optional accessories

AXIS T8310 Video Surveillance Board

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