AXIS Q7424-R Mk II Video Encoder

Full-featured video surveillance for tough environments

AXIS Q7424-R Mk II is a four-channel standalone solution that enables flexible migration of analog cameras into an IP-based video surveillance system. It is ideal for demanding applications such as city surveillance and transportation. It is designed to withstand tough environments including vibrations, shocks and extreme temperatures. All four video channels provide pan, tilt and zoom support for controlling analog PTZ cameras. The video encoder features an SFP slot for fiber connection, a memory card slot and Power over Ethernet. It offers tampering alarm, motion detection and audio detection, and supports AXIS Camera Application Platform that enables the installation of other analytics.

> **Rugged design**

> **Extended temperature range**

> **SFP slot for fiber connection**

> **Edge storage**

> **Power over Ethernet**

ONVIF® | S

AXIS Q7424-R Mk II Video Encoder

Video

Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and Profiles Motion JPEG
Resolution	720x576 to 176x120 1536x1152 to 176x120 for quad view
Frame rate	25/30 (50/60 Hz) fps 15 fps in quad view in full resolution
Video streaming	Multiple streams if identical or limited in frame rate/resolution Controllable frame rate and bandwidth; VBR/CBR H.264
Image settings	Compression, Color, Brightness, Contrast, Aspect ratio correction, Mirroring of images, Text and image overlay, Privacy mask, Enhanced deinterlace filter, Video termination, Anti-aliasing, Temporal noise filtering Rotation: 90°, 180°, 270°
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	AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate
Audio input/output	External microphone input or line input, line output

Network

IP address	One IP address for four channels
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], [a], QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH

System integration

Application Programming Interface	Open API for software integration, including VAPIX®; specifications at *www.axis.com* AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF® Profile S, specification at *www.onvif.org*
Analytics	Included AXIS Video Motion Detection, active tampering alarm, audio detection
Event triggers	Analytics, external input, edge storage events, Video loss
Event actions	video recording to edge storage, pre- and post-alarm video buffering, external output activation, send SNMP trap, play audio clip PTZ: PTZ preset File upload: FTP, Network share, HTTP, HTTPS, email Notification: email, HTTP, HTTPS, TCP
Data streaming	Event data

General

Casing	Standalone, aluminum casing
Sustainability	PVC free
Memory	512 MB RAM, 128 MB Flash
Power	8–28 V DC, max. 10 W 20–24 V AC, max. 15.6 VA Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3
Connectors	4 x Analog composite video BNC inputs, NTSC/PAL auto-sensing Terminal block for mono microphone or line input, 6 Vpp max. Terminal block for mono audio output, 2 Vpp max. at 1 kohm RJ45 10BASE-T/100BASE-TX PoE Terminal block for four configurable external inputs/outputs Terminal block for RS485/RS422 (full duplex) AC/DC input terminal block 100/1000 Mbps SFP slot
Storage	Support for SD/SDHC/SDXC card Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see *www.axis.com*
Operating conditions	-40 °C to 75 °C (-40 °F to 167 °F) Humidity 10–95% RH (non-condensing)
Approvals	EMC EN 55022 Class B, EN 50121-4, IEC 62236-4, 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, RCM AS/NZS CISPR 32 Class B, KCC KN22 Class B, KN24, Safety IEC/EN/UL 60950-1 Environment EN 50155 (Vibration and Shock Category 1 Class B, Temperature Class TX) NEMA TS 2 (vibration, shock, temperature, humidity) CEN/TS 45545-2 IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14, IEC 60068-2-27 IEC 60068-2-30, IEC 60068-2-64, IEC 60068-2-78
Dimensions	167 x 135 x 45 mm (6.6 x 5.3 x 1.8 in)
Weight	800 g (1.7 lb)
Included accessories	Installation guide Windows decoder user license
Optional accessories	For more accessories, see *www.axis.com*
Video management software	AXIS Camera Station, video management software from Axis' Application Development Partners available on *www.axis.com/support/downloads*
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 (eay@cryptsoft.com).*

Environmental responsibility:

www.axis.com/environmental-responsibility

AXIS
COMMUNICATIONS