

# 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](#)



## AXIS Q7424-R Mk II Video Encoder

<b>Video</b>		<b>Casing</b>	Standalone, aluminum casing
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and Profiles Motion JPEG	<b>Sustainability</b>	PVC free
<b>Resolution</b>	720x576 to 176x120 1536x1152 to 176x120 for quad view	<b>Memory</b>	512 MB RAM, 128 MB Flash
<b>Frame rate</b>	Up to 25/30 fps (PAL/NTSC) Up to 15 fps in quad view in full resolution	<b>Power</b>	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
<b>Video streaming</b>	Multiple streams if identical or limited in frame rate/resolution Controllable frame rate and bandwidth; VBR/CBR H.264	<b>Connectors</b>	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
<b>Image settings</b>	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°	<b>Storage</b>	Support for SD/SDHC/SDXC card Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see <a href="http://www.axis.com">www.axis.com</a>
<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>Operating conditions</b>	-40 °C to 75 °C (-40 °F to 167 °F) Humidity 10–95% RH (non-condensing)
<b>Audio</b>		<b>Approvals</b>	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, <b>Safety</b> IEC/EN/UL 60950-1
<b>Audio streaming</b>	Two-way	<b>Environment</b>	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
<b>Audio encoding</b>	AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate	<b>Audio input/output</b>	External microphone input or line input, line output
<b>Network</b>		<b>Dimensions</b>	167 x 135 x 45 mm (6.6 x 5.3 x 1.8 in)
<b>IP address</b>	One IP address for four channels	<b>Weight</b>	800 g (1.7 lb)
<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>Included accessories</b>	Installation guide Windows decoder user license
<b>Supported protocols</b>	IPv4/v6, HTTP, HTTPS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, CIFS/SMB, 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	<b>Optional accessories</b>	For more accessories, see <a href="http://www.axis.com">www.axis.com</a>
<b>System integration</b>		<b>Video management software</b>	AXIS Camera Station, video management software from Axis' Application Development Partners available on <a href="http://www.axis.com/support/downloads">www.axis.com/support/downloads</a>
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> ; specifications at <a href="http://www.axis.com">www.axis.com</a> One-click cloud connection ONVIF <sup>®</sup> Profile S, specification at <a href="http://www.onvif.org">www.onvif.org</a>	<b>Languages</b>	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
<b>Analytics</b>	<b>Included</b> AXIS Video Motion Detection, active tampering alarm, audio detection	<b>Warranty</b>	5-year warranty, see <a href="http://axis.com/warranty">axis.com/warranty</a>
<b>Event triggers</b>	Analytics, external input, edge storage events, Video loss	<p>a. <i>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>).</i></p> <p>Environmental responsibility: <a href="http://axis.com/environmental-responsibility">axis.com/environmental-responsibility</a></p>	
<b>Event actions</b>	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		
<b>Data streaming</b>	Event data		
<b>General</b>			