

AXIS P7224 Video Encoder Blade

Full-featured, cost-effective video encoders with H.264

AXIS P7224 Video Encoder Blade is a powerful, full-featured and efficient integration of analog cameras into an IP-based video surveillance system. The video encoder blade enables a cost-effective way to gain all the benefits of professional network video without discarding existing analog investments. When AXIS P7224 blades are used with a video encoder chassis, up to 56 analog cameras can be supported in one 5U, 19-inch rack. The video encoder supports all types of analog cameras including PTZ (pan/tilt/zoom) and PTZ domes, offers two-way audio and intelligent video capabilities such as video motion detection, active tampering alarm and audio detection.

- > **Full frame rate**
- > **Two-way audio**
- > **I/O support**
- > **High resolution quad-view**



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Video		Event triggers	Analytics, external input, edge storage events, Video loss
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline and Main Profiles Motion JPEG	Event actions	Pre- and post-alarm video buffering, video and audio recording to edge storage, play audio clip, external output activation File upload: FTP, HTTP, HTTPS, network share, email Notification: email, HTTP, HTTPS, TCP PTZ: PTZ preset
Resolution	720x576 to 176x120 1536x1152 to 176x120 for quad view	Data streaming	Event data
Frame rate	25/30 fps (PAL/NTSC) Up to 15 fps in quad view in full resolution	Built-in installation aids	Pixel counter
Video streaming	Multiple streams if identical or limited in frame rate/resolution Controllable frame rate and bandwidth VBR/CBR H.264	General	
Image settings	Compression, Color, Brightness, Contrast, Text and image overlay, Mirroring of images, Privacy mask, Aspect ratio correction, Enhanced deinterlace filter, Video termination, Antialiasing, rotation: auto, 0°, 90°, 180°, 270°	Casing	Compatible with AXIS 291 1U Video Server Rack AXIS Q7900 and Q7920 Video Encoder Chassis
Pan/Tilt/Zoom	Wide range of analog PTZ cameras supported, drivers available for download at www.axis.com Support for one PTZ driver Up to 100 presets/camera Supports Windows compatible joysticks	Sustainability	PVC free
Audio		Memory	512 MB RAM, 128 MB Flash
Audio streaming	Two-way, full duplex and half duplex (2 mic/line inputs, 1 line output)	Power	12 V DC, max. 6 W
Audio encoding	In: AAC-LC 8/16 kHz 8–64 kbit/s G.711 μ -law PCM 8 kHz 64 kbit/s G.726 ADPCM 8 kHz 23.2 kbit/s or 24 kbit/s Out: G.711 μ -law PCM 8 kHz 64 kbit/s, μ -law PCM 16 kHz 128 kbit/s G.726 ADPCM 8 kHz 23.2 kbit/s or 24 kbit/s	Connectors	4x analog composite video BNC inputs, NTSC/PAL auto-sensing Terminal block for four configurable external inputs/outputs Terminal block for RS485/RS422 (2-wire) 2x 3.5 mm mic/line in (mono) 3.5 mm line out (mono)
Audio input/output	External microphone input or line input Line level output Audio streaming, record (AU) and play uploaded (WAV, AU) clips	Storage	Support for recording to network-attached storage (NAS) For NAS recommendations see www.axis.com
Network		Operating conditions	0 °C to 45 °C (32 °F to 113 °F) Humidity 20–80% RH (non-condensing)
IP address	One IP address for four channels	Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X ^a network access control, digest authentication, user access log	Approvals	C-tick AS/NZS CISPR 22 Class B, EN 55022 Class B, EN 55024, 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, IEC/EN/UL 60950-1, KCC KN22 Class A, KN24, VCCI Class B
Supported protocols	IPv4/v6, HTTP, HTTPS ^a , SSL/TLS ^a , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP TM , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH	Dimensions	129 x 30 x 255 mm (5.1 x 1.2 x 10.0 in)
System integration		Weight	210 g (0.46 lb)
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, specifications at www.onvif.org	Included accessories	Installation guide Windows decoder license
Analytics	Included AXIS Video Motion Detection, active tampering alarm, audio detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see www.axis.com/acap	Optional accessories	For more 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	5-year warranty, see 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: axis.com/environmental-responsibility	