

# 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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<b>Video</b>		<b>Event triggers</b>	Analytics, external input, edge storage events, Video loss
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline and Main Profiles Motion JPEG	<b>Event actions</b>	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
<b>Resolution</b>	720x576 to 176x120 1536x1152 to 176x120 for quad view	<b>Data streaming</b>	Event data
<b>Frame rate</b>	25/30 fps (PAL/NTSC) Up to 15 fps in quad view in full resolution	<b>Built-in installation aids</b>	Pixel counter
<b>Video streaming</b>	Multiple streams if identical or limited in frame rate/resolution Controllable frame rate and bandwidth VBR/CBR H.264	<b>General</b>	
<b>Image settings</b>	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°	<b>Casing</b>	Compatible with AXIS 291 1U Video Server Rack AXIS Q7900 and Q7920 Video Encoder Chassis
<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> Support for one PTZ driver Up to 100 presets/camera Supports Windows compatible joysticks	<b>Sustainability</b>	PVC free
<b>Audio</b>		<b>Memory</b>	512 MB RAM, 128 MB Flash
<b>Audio streaming</b>	Two-way, full duplex and half duplex (2 mic/line inputs, 1 line output)	<b>Power</b>	12 V DC, max. 6 W
<b>Audio compression</b>	In: AAC-LC 8/16 kHz 8–64 kbit/s G.711 $\mu$ -law PCM 8 kHz 64 kbit/s G.726 ADPCM 8 kHz 32 kbit/s or 24 kbit/s Out: G.711 $\mu$ -law 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>Connectors</b>	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)
<b>Audio input/output</b>	External microphone input or line input Line level output Audio streaming, record (AU) and play uploaded (WAV, AU) clips	<b>Storage</b>	Support for recording to network-attached storage (NAS) For NAS recommendations see <a href="http://www.axis.com">www.axis.com</a>
<b>Network</b>		<b>Operating conditions</b>	0 °C to 45 °C (32 °F to 113 °F) Humidity 20–80% RH (non-condensing)
<b>IP address</b>	One IP address for four channels	<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F)
<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>Approvals</b>	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
<b>Supported protocols</b>	IPv4/v6, HTTP, HTTPS <sup>a</sup> , SSL/TLS <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, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH	<b>Dimensions</b>	129 x 30 x 255 mm (5.1 x 1.2 x 10.0 in)
<b>System integration</b>		<b>Weight</b>	210 g (0.46 lb)
<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> AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF <sup>®</sup> Profile S, specifications at <a href="http://www.onvif.org">www.onvif.org</a>	<b>Included accessories</b>	Installation guide Windows decoder license
<b>Analytics</b>	<b>Included</b> AXIS Video Motion Detection, active tampering alarm, audio detection 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>Optional accessories</b>	For more accessories, see <a href="http://www.axis.com">www.axis.com</a>
		<b>Video management software</b>	AXIS Companion, 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>	Axis 3-year warranty and AXIS Extended Warranty option, see <a href="http://www.axis.com/warranty">www.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> ).	
		<b>Environmental responsibility:</b> <a href="http://www.axis.com/environmental-responsibility">www.axis.com/environmental-responsibility</a>	