

# AXIS P7216 Video Encoder

Full-featured, cost-effective 16-channel video encoder

AXIS P7216 offers full-featured, efficient integration of analog cameras into an IP-based video surveillance system. It is ideal for large installations, especially where an IP network infrastructure is already in place. AXIS P7216 can be used as a standalone unit or be mounted in a 19" rack. It offers H.264 and Motion JPEG streams in all resolutions up to D1 (720x480 NTSC or 720x576 PAL). A single Ethernet port serves all 16 channels. The encoder offers video motion detection, active tampering alarm and two-way audio with audio detection. It comes with a power supply and has four built-in memory card slots for edge storage.

- > [Full frame rate](#)
- > [Edge storage](#)
- > [High resolution quad-view](#)
- > [Two-way audio](#)
- > [SFP slot - network redundancy](#)



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Video	
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline and Main Profiles Motion JPEG
<b>Resolution</b>	720x576 to 176x120 1536x1152 to 176x120 for quad view
<b>Frame rate</b>	25/30 fps (PAL/NTSC)
<b>Video streaming</b>	Multiple streams if identical or limited in frame rate/resolution Controllable frame rate and bandwidth VBR/CBR H.264
<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, temporal noise filtering, rotation: 90°, 180°, 270°
<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 in each group of 4 channels Up to 100 presets/camera, guard tour, PTZ control queue Supports Windows compatible joysticks
Audio	
<b>Audio streaming</b>	Two-way, full duplex, mic/line input 1 or 2/line output
<b>Audio compression</b>	<b>In</b> AAC-LC 8 or 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 <b>Out</b> 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>Audio input/output</b>	External microphone input or line input Line level output Audio streaming, record (AU) and play uploaded (WAV, AU) clips AU (G.711 $\mu$ -law 8-bit 8/16 kHz mono), WAV (PCM 16-bit 8/16 kHz mono) 8 input, 4 output
Network	
<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>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, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH
System integration	
<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, specification at <a href="http://www.onvif.org">www.onvif.org</a>
<b>Analytics</b>	Included AXIS Video Motion Detection, active tampering alarm, audio detection
<b>Event triggers</b>	Analytics, external input, edge storage events, video loss
<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>Data streaming</b>	Event data
<b>Built-in installation aids</b>	Pixel counter
General	
<b>Casing</b>	Standalone, metal casing, rack mount or wall mount
<b>Sustainability</b>	PVC free
<b>Memory</b>	4x 512 MB RAM, 4x 128 MB Flash
<b>Power</b>	Axis PS-P power supply
<b>Connectors</b>	16x Analog composite video BNC inputs, NTSC/PAL auto-sensing 8x 3.5 mm audio input sockets 4x 3.5 mm audio output sockets 1x 1000 Base TX Ethernet (RJ45) 1x auxiliary Ethernet (RJ45) 1x Gbps SFP slot 4x Terminal block for up to 4 configurable external inputs/outputs 4x Terminal block for RS485/RS422 serial communication(full duplex) 1x DC input terminal block
<b>Storage</b>	Four microSD/microSDHC/microSDXC slots For SD card and NAS recommendations see <a href="http://www.axis.com">www.axis.com</a>
<b>Operating conditions</b>	0 °C to 50 °C (32 °F to 122 °F) Humidity 20–80% RH (non-condensing)
<b>Approvals</b>	EMC EN 55022 Class B, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2 C-tick AS/NZS CISPR 22 Class B, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, KCC KN22 Class B, KN24 Safety IEC/EN/UL 60950-1
<b>Weight</b>	1850 g (4.1 lb)
<b>Included accessories</b>	Mounting and connector kit (incl 2 mount brackets and 4 rubber feet) Power supply, installation guide, Windows decoder license
<b>Optional accessories</b>	For 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. ([www.openssl.org](http://www.openssl.org)), and cryptographic software written by Eric Young ([eyay@cryptsoft.com](mailto:eyay@cryptsoft.com)).

Environmental responsibility:

[www.axis.com/environmental-responsibility](http://www.axis.com/environmental-responsibility)