

# 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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<b>Video</b>		<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>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline and Main Profiles Motion JPEG	<b>Data streaming</b>	Event data
<b>Resolution</b>	720x576 to 176x120 1536x1152 to 176x120 for quad view	<b>Built-in installation aids</b>	Pixel counter
<b>Frame rate</b>	25/30 fps (PAL/NTSC) Up to 15 fps in quad view in full resolution	<b>General</b>	
<b>Video streaming</b>	Multiple streams if identical or limited in frame rate/resolution Controllable frame rate and bandwidth VBR/CBR H.264	<b>Casing</b>	Standalone, metal casing, rack mount or wall mount
<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>Sustainability</b>	PVC free
<b>Pan/Tilt/Zoom</b>	Wide range of analog PTZ cameras supported, drivers available for download at <a href="http://axis.com">axis.com</a> Support for one PTZ driver in each group of 4 channels Up to 100 presets per camera, guard tour, PTZ control queue Supports Windows® compatible joysticks	<b>Memory</b>	4x 512 MB RAM, 4x 128 MB Flash
<b>Audio</b>		<b>Power</b>	Axis PS-P power supply
<b>Audio streaming</b>	Two-way, full duplex, mic/line input 1 or 2/line output	<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>Audio encoding</b>	<b>In</b> AAC-LC 8 or 16 kHz 8–64 kbit/s G.711 μ-law PCM 8 kHz 64 kbit/s G.726 ADPCM 8 kHz 32 kbit/s or 24 kbit/s <b>Out</b> G.711 μ-law PCM 8 kHz 64 kbit/s μ-law PCM 16 kHz 128 kbit/s G.726 ADPCM 8 kHz 32 kbit/s or 24 kbit/s	<b>Storage</b>	Four microSD/microSDHC/microSDXC slots For SD card and NAS recommendations see <a href="http://axis.com">axis.com</a>
<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 μ-law 8-bit 8/16 kHz mono), WAV (PCM 16-bit 8/16 kHz mono) 8 input, 4 output	<b>Operating conditions</b>	0 °C to 50 °C (32 °F to 122 °F) Humidity 20–80% RH (non-condensing)
<b>Network</b>		<b>Approvals</b>	<b>EMC</b> 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 <b>Safety</b> IEC/EN/UL 60950-1
<b>IP address</b>	Four IP addresses, one per four channels	<b>Weight</b>	1850 g (4.1 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>	Mounting and connector kit (incl 2 mount brackets and 4 rubber feet) Power supply, installation guide, Windows® decoder license
<b>Supported protocols</b>	IPv4/v6, HTTP, HTTPS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP™, 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 accessories, see <a href="http://axis.com">axis.com</a>
<b>System integration</b>		<b>Video management software</b>	AXIS Companion version 3, AXIS Camera Station, video management software from Axis' Application Development Partners available at <a href="http://axis.com/vms">axis.com/vms</a>
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX®, specifications at <a href="http://axis.com">axis.com</a> One-click cloud connection ONVIF® Profile S, specification at <a href="http://onvif.org">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. 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>).</p> <p>Environmental responsibility: <a href="http://axis.com/environmental-responsibility">axis.com/environmental-responsibility</a></p>	