

AXIS P7216 Video Encoder

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



- > Full frame rate
- > Edge storage
- > High resolution quad-view
- > Two-way audio – input/output
- > SFP slot – network redundancy

AXIS P7216 Video encoder offers powerful, full-featured and efficient integration of analog cameras into an IP-based video surveillance system and is ideal for small to medium-sized installations, within retail for example.

AXIS P7216 Video Encoder enables a cost-effective way to gain all the benefits of professional network video without discarding existing analog investments. The video encoders offer advanced network capabilities with great video performance and excellent audio quality.

AXIS P7216 can be used as a standalone unit or be mounted in a 19" rack. The 16-channel video encoder offers one H.264 and one Motion JPEG stream per channel at full frame rate in all resolutions up to D1 (720x480 NTSC or 720x576 PAL). A single Ethernet port serves all 16 channels. The encoder is also equipped with an SFP

slot, which enables the use of fiber optics. The SFP slot also provides the possibility for network redundancy.

AXIS P7216 offers intelligent video capabilities such as video motion detection, active tampering alarm and two-way audio with audio detection. The encoder offers a convenient video management solution with its built-in four memory card slots for edge storage. AXIS P7216 comes with a power supply.

All Axis video encoder products also provide pan, tilt and zoom support, enabling control of analog PTZ cameras.



Technical Specifications – AXIS P7216 Video Encoder

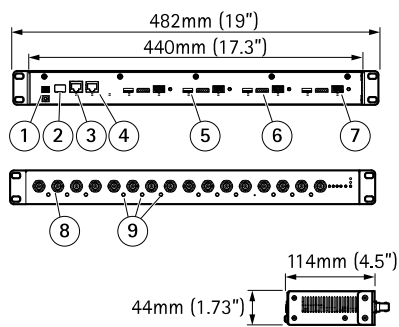
Video		Intelligent video	Video motion detection, Active tampering alarm, Audio detection
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline and Main Profile Motion JPEG	Event triggers	Intelligent video, External inputs, Video loss
Resolutions	176x120 to 720x576, 176x120 to 1536x1152 for quad view	Event actions	File upload: FTP, HTTP and email Notification: email, HTTP and TCP Video and audio recording to edge storage Pre- and post-alarm video buffering PTZ preset, Play audio clip, External output activation
Frame rate	H.264: 30/25 (NTSC/PAL) fps, 15 fps in quad view in full resolution Motion JPEG: 30/25 (NTSC/PAL) fps, 15 fps in quad view in full resolution	Data streaming	Event data
Video streaming	One individually configured H.264 and one Motion JPEG stream per channel at full frame rate More streams if identical or limited in frame rate/resolution Controllable frame rate and bandwidth, VBR/CBR H.264	Built-in installation aids	Pixel counter
Image settings	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°	General	
Pan/Tilt/Zoom	Wide range of analog PTZ cameras supported (drivers available for download at www.axis.com) Support for one PTZ driver in each group of 4 channels 100 preset/camera, Guard tour, PTZ control queue Supports Windows compatible joysticks	Casing	Metal casing. Standalone, rack mount or wall mount
Audio		Memory	4x 512 MB RAM, 4x 128 MB Flash
Audio streaming	Two-way, full and half duplex (mic/line input 1 or 2/line output).	Power	AXIS PS-P power supply
Audio compression	In: 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 Out: 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	Connectors	16x Analog composite video inputs (BNC) 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
Audio input/output	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	Edge storage	Four microSD/microSDHC/microSDXC slots supporting memory cards up to 64 GB (cards not included) Support for recording to network share (network-attached storage or file server)
Network		Operating conditions	0 °C to 50 °C (32 °F to 122 °F) Humidity 20–80% RH (non-condensing)
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X ^a network access control, Digest authentication, User access log	Approvals	EN 55022 Class B, 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, C-tick AS/NZS CISPR 22 Class B, KCC KN22 Class B, KN24, IEC/EN/UL 60950-1
Supported protocols	IPv4/v6, HTTP, HTTPS ^a , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS	Weight	1850 g (4.1 lb)
System integration		Included accessories	Power supply, Mounting and connector kit (incl 2 mount brackets and 4 rubber feet), Installation Guide, Installation and Management Software CD, Windows decoder licenses, Power supply.
Application Programming Interface	Open API for software integration, including VAPIX®; specifications at www.axis.com AXIS Video Hosting System (AVHS) with One-Click Camera Connection ONVIF Profile S; specification at www.onvif.org	Video management software	AXIS Camera Station and video management software from Axis' Application Development Partners (not included). For more information, see www.axis.com/products/video/software
		Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see www.axis.com/warranty

a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org/>), and cryptographic software written by Eric Young (ey@cryptsoft.com).

More information is available at www.axis.com

Dimensions

- Power
- SFP slot
- Network
- AUX
- Memory card slots
- I/O
- Serial ports
- Video inputs
- Audio in/audio out



Optional accessories

- AXIS T8310 Video Surveillance Control Board
- AXIS P7701 Network Video Decoder
- AXIS T8414 Installation display

