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

Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline and Main Profiles Motion JPEG
Resolution	720x576 to 176x120 1536x1152 to 176x120 for quad view
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
Video streaming	Multiple streams if identical or limited in frame rate/resolution . Controllable frame rate and bandwidth, VBR/CBR H.264
Image settings	Compression, Color, Brightness, Contrast, Text and image overlay, Mirroring of images, Privacy mask, Aspect ratio correction, Enhanced deinterlace filter, Video termination, Anti-aliasing, Temporal noise filtering Rotation: 90°, 180°, 270°
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 Up to 100 preset/camera, Guard tour, PTZ control queue Supports Windows compatible joysticks

Audio

Audio streaming	Two-way, full duplex mic/line input 1 or 2/line output
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
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

Network

Security	Password protection, IP address filtering, HTTPS[a] encryption, IEEE 802.1X[a] network access control, digest authentication, user access log
Supported protocols	IPv4/v6, HTTP, HTTPS[a], QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH

System integration

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, specification at *www.onvif.org*
Analytics	AXIS Video Motion Detection Active tampering alarm Audio detection
Event triggers	Intelligent video External inputs Video loss
Event actions	File upload: FTP, Network share, HTTP, HTTPS, email Notification: email, HTTP, HTTPS, TCP Video and audio recording to edge storage Pre- and post-alarm video buffering
	PTZ preset, Play audio clip, External output activation
Data streaming	Event data
Built–in installation aids	Pixel counter

General

Casing	Metal casing Standalone, rack mount or wall mount
Sustainability	PVC free
Memory	4x 512 MB RAM 4x 128 MB Flash
Power	AXIS PS-P power supply
Connectors	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
Storage	Four microSD/microSDHC/microSDXC slots (cards not included) Support for recording to network share (network-attached storage or file server)
Operating conditions	0 °C to 50 °C (32 °F to 122 °F) Humidity 10–85% RH (non-condensing)
Operating conditions	0 °C to 50 °C (32 °F to 122 °F) 20–80% RH (non-condensing)
Approvals	**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
Weight	1850 g (4.1 lb)
Included accessories	Power supply Mounting and connector kit (incl 2 mount brackets and 4 rubber feet) Installation Guide Windows decoder licenses
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/support/downloads*
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
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. (www.openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*

Environmental responsibility:

www.axis.com/environmental-responsibility

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