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**: 25/30 fps (PAL/NTSC), Up to 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, antialiasing, temporal noise filtering, rotation: 90°, 180°, 270°
- **Pan/Tilt/Zoom**: pan range of analog PTZ cameras supported, drivers available for download at axis.com
- **Audio**: Two-way, full duplex, mix/in line input 1 or 2 output

Audio

- **Audio compression**: AAC-LC 8 or 16 kHz 8-64 kbit/s
- **Audio level output**: Line level output

Network

- **IP address**: Four IP addresses, one per four channels
- **Network security**: Password protection, IP address filtering, HTTPS encryption, IEEE 802.1Xv network access control, digest authentication, user access log

Supported protocols

- **IPv4/IPv6**: HTTP, HTTPS, QUIC Layer 3, DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, HTTP, ICMP, DHCP, ARP, SOCKS, SSH

System integration

- **Application Programming Interface**: Open API for software integration, including VAPIX®, specifications at axis.com
- **Analytics**: Included
- **Event triggers**: Analytics, external input, edge storage events, video loss
- **Event actions**: Pre- and post-alarm video buffering, video and audio recording to edge storage, play audio clip, external output activation

Data streaming

- **Event data**: Network share, email notification: email, HTTP, HTTPS, TCP, FTP: PTZ, PTZ preset

Built-in installation aids

- **Pixel counter**: Standalone, metal casing, rack mount or wall mount

General

- **Casing**: Standalone, metal casing, 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
- **Audio**: 8x 3.5 mm audio input sockets
- **Audio**: 1x 1000 Base TX Ethernet (RJ45)
- **Audio**: 1x auxiliary Ethernet (RJ45)
- **Audio**: 1x Gbps SFP slot
- **Audio**: 4x Terminal block for up to 4 configurable external inputs/outputs
- **Audio**: 4x Terminal block for RS485/RS422 serial communication (full duplex)
- **Audio**: 1x DC input terminal block

Storage

- **Four microSD/microSDHC/microSDXC slots**
- **For SD card and NAS recommendations see axis.com**

Operating conditions

- **Humidity**: 20–90% 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)**
- **Mounted and connector kit (incl 2 mount brackets and 4 rubber feet)**
- **Power supply, installation guide, Windows® decoder license**

Optional accessories

- **For accessories, see axis.com**

Video management software

- **AXIS Companion, AXIS Camera Station, video management software from Axis’ Application Development Partners available at axis.com/vms**

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 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), and cryptographic software written by Eric Young (eay@cryptsoft.com).

Environmental responsibility:

axis.com/environmental-responsibility