AXIS Q7411 Video Encoder
Full-featured, single channel video encoder with exceptional performance.

AXIS Q7411 Video Encoder is a high-performance single channel solution that enables flexible migration of analog cameras into an IP-based video surveillance system. The video encoder is ideal for both existing and new analog surveillance installations in areas such as casinos, manufacturing and law enforcement.

AXIS Q7411 is a powerful, full-featured video encoder solution offering 60/50 (NTSC/PAL) frames per second. The support for 60/50 fps provides smooth video in high motion scenes. This also enables the user to more closely follow details and changes in the monitored area, which is of major importance in forensic work.

The video encoder offers the highly efficient H.264 video compression format both in Base and Main profile, with significant savings in bandwidth and storage. Motion JPEG is also supported for increased flexibility.

For significant installation savings, AXIS Q7411 allows PTZ control over the coaxial cable*. In addition, the video encoder also provides standard support for PTZ cameras using the serial ports. Other features include two-way audio, configurable I/O ports and microSD/microSDHC memory.

AXIS Q7411 provides outstanding performance and intelligent video capabilities, such as tampering alarm, motion detection and audio detection, in addition to AXIS Camera Application Platform applications.

AXIS Q7411 can deliver multiple, individually configurable video streams simultaneously at full frame rate in all resolutions up to D1 (720x480 in NTSC, 720x576 in PAL).

*Compatible with Coaxitron® by Pelco
### Technical specifications – AXIS Q7411 Video Encoder

#### Video encoder
- **Video compression**: H.264 (MPEG-4 Part 10/AVC) Baseline and Main profile, Motion JPEG
- **Resolutions**: 176x120 to 720x576
- **Frame rate**: 60/50 (NTSC/PAL) fps in all resolutions
- **Frame rate Motion JPEG**: 60/50 (NTSC/PAL) fps in all resolutions
- **Video streaming**: Multiple, individually configurable streams in H.264 and Motion JPEG, Controllable frame rate and bandwidth, VBR/CBR H.264
- **Pan/Tilt/Zoom**: Wide range of analog PTZ cameras supported (drivers available for download at www.axis.com), 100 presets/camera, guard tour, PTZ control queue, Supports Windows compatible joysticks, Compatible with Coaxitron® by Pelco
- **Image settings**: Compression, color, brightness, contrast, Rotation: 90°, 180°, 270°, Aspect ratio correction, mirroring of images, text and image overlay, privacy mask, enhanced deinterlace filter, video termination, anti-aliasing, temporal noise filtering
- **Audio streaming**: Two-way, full duplex and half duplex
- **Audio compression**: AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Configurable bit rate
- **Audio input/ output**: External microphone or line input and line output

#### System integration
- **Application Programming Interface**: Open API for software integration, including VAPIX® and AXIS Camera Application Platform from Axis Communications, available at www.axis.com, ONVIF, specification available at www.onvif.org, AXIS Video Hosting System (AVHS) with One-Click Camera Connection
- **Intelligent video**: Video motion detection, active tampering alarm, AXIS Camera Application Platform enabling installation of additional applications
- **Event triggers**: Intelligent video, external inputs, video loss, audio detection
- **Event actions**: File upload: FTP, HTTP, network share and email, Notification: email, HTTP and TCP, PTZ preset, External output activation, Play audio clip, Video and audio recording to edge storage, Pre- and post-alarm video buffering, Status LED

#### Data streaming
- **Event data**

#### General
- **Casing**: Aluminum casing, Casing color: Black - NCS S 9000-N
- **Memory**: 256 MB RAM, 128 MB Flash
- **Power**: Power over Ethernet IEEE 802.3af Class 2, 8-28 VDC input, max 5.3 W
- **Connectors**: Analog composite video BNC input, RJ-45 10BASE-T/100BASE-TX PoE, Terminal block for four configurable external inputs/outputs, Terminal block for RS-485/422 (full duplex), 3.5mm jack for microphone or line input (mono), 3.5mm jack for audio output (mono)
- **MicroSD/microSDHC/microSDXC slot**: supporting memory card up to 64 GB (card not included)
- **Network**: IPv4/IPv6, HTTP, HTTPS*, 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

#### Network security
- **Password protection, IP address filtering, HTTPS encryption**, digest authentication, user access log
- **Supported protocols**: IPv4/IPv6, HTTP, HTTPS*, 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

#### Operating conditions
- 0 °C to 60 °C (32 °F to 140 °F)
- 0 °C to 50 °C (32 °F to 122 °F) with included Power supply
- Humidity 10 – 85% RH (non-condensing)

#### Approvals
- EN 55022 Class B, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 50121-4, EN61000-6-1, EN61000-6-2, EN60950-1, FCC Part 15 Subpart B ITE Class B, ICES-003 Class B, FCC Part 15 Subpart B ITE Class B, ICES-003 Class B, VCCI Class B ITE, C-tick AS/NZS CISPR 22, KN22, KN 24, KCC Class B, UL/IEC/EN 60950-1

#### Weight
- 520 g (1.1 lb)

#### Included accessories
- Installation Guide, Installation and Management Software CD, Windows decoder 1-user license, Power supply, mounting and connector kits

More information is available at www.axis.com

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**Optional accessories**

AXIS Camera Companion (included), AXIS Camera Station and video management software from Axis’ Application Development Partners (not included). For more information, see www.axis.com/products/video/software

**AXIS T8006 PS12** - Enables operation at 60 °C (140 °F)