

AXIS Q7411 Video Encoder

Full-featured, single-channel video encoder with exceptional performance

AXIS Q7411 is a high-performance, single channel solution that integrates an analog camera into an IP-based video surveillance system. It delivers multiple, individually configurable video streams simultaneously at full frame rate in all resolutions up to D1. H.264 video compression in both Base and Main profile enables significant savings in bandwidth. The support for 60/50 fps provides smooth video in high motion scenes, enabling the user to closely follow details in the monitored area. AXIS Q7411 offers video motion detection, active tampering alarm, two-way audio and audio detection. It allows PTZ control over the coaxial cable and also provides standard support for PTZ cameras using the serial ports.

- > **50/60 fps support**
- > **Outstanding video processing capabilities**
- > **Coax PTZ Control**
- > **AXIS Camera Application Platform**
- > **Power over Ethernet**



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Video

Video compression

H.264 (MPEG-4 Part 10/AVC) Baseline and Main profile
Motion JPEG

Resolution

176x120 to 720x576

Frame rate

H.264: 60/50 (NTSC/PAL) fps in all resolutions
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)
Supports Windows compatible joysticks
Compatible with Coaxitron® by Pelco
100 preset/camera, Guard tour, PTZ control queue

Image settings

Compression, color, brightness, contrast, aspect ratio correction, text and image overlay, mirroring of images, privacy mask, enhanced deinterlace filter, video termination, anti-aliasing, temporal noise filtering
Rotation: 90°, 180°, 270°

Audio

Audio streaming

Two-way, full duplex and half duplex

Audio encoding

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

Network

Security

Password protection, IP address filtering, HTTPS¹ encryption, IEEE 802.1X¹ network access control, Digest authentication, User access log

Network protocols

IPv4, IPv6 USGv6, HTTP, HTTPS¹, SSL/TLS¹, QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS

System integration

Application Programming Interface

Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at www.axis.com
One-click cloud connection
ONVIF® Profile S and ONVIF® Profile G, specification at www.onvif.org

Analytics

AXIS Video Motion Detection 4, active tampering alarm, audio detection
Support for AXIS Camera Application Platform enabling installation of third-party applications, see www.axis.com/acap

Event triggers

Analytics, external input, video loss, audio detection

Event actions

Overlay text, video and audio recording to edge storage, pre- and post-alarm video buffering, external output activation, send SNMP trap, play audio clip, status LED

PTZ: PTZ preset, start/stop guard tour

File upload via FTP, SFTP, HTTP, HTTPS network share and email

Notification via email, HTTP, HTTPS and TCP

Data streaming

Event data

1. 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).

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 V DC input, max. 5.3 W

Connectors

Analog composite video BNC input

RJ45 10BASE-T/100BASE-TX PoE

Terminal block for four configurable external inputs/outputs

Terminal block for RS485/RS422 (full duplex)

3.5 mm jack for microphone or line input (mono)

3.5 mm jack for audio output (mono)

Storage

Support for microSD/microSDHC/microSDXC card

Support for SD card encryption

Support for recording to network-attached storage (NAS)

For SD card and NAS recommendations see www.axis.com

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

EMC

EN 55022 Class B, EN 50121-4, 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-3(B)/NMB-3(B), VCCI Class B,
RCM AS/NZS CISPR 22 Class B, KCC KN22 Class B,
KN24, IEC/EN/UL 60950-1

Network

NIST SP500–267

Weight

520 g (1.1 lb)

Included accessories

Installation guide, Windows decoder 1-user license, mounting and connector kits, power supply

Video management software

AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available on www.axis.com/techsup/software

Warranty

5-year warranty, see axis.com/warranty