

# AXIS 241Q/S Video Server

*Full-featured, digital benefits  
for analog surveillance systems*

The AXIS 241 Q/S Video Server offers a generic stream of video at full frame rate on each channel from remote analog video sources. This high performance video server transforms traditional analog video into high-quality digital images and provides real time video from all cameras simultaneously.

The AXIS 241 is a video server designed for professional IP-Surveillance systems where specific camera feature needs are required. This high performance video server is ideal as an integrated part of a large system. Network utilization is optimized with built-in video motion detection and a complete set of security features such as HTTPS and IP address filtering adds value for the demanding customer.

Connecting directly to an Ethernet network the AXIS 241Q accommodates up to four analog video streams; whereas, the AXIS 241S accommodates a single video input stream – plus a video output for the connection of an analog monitor.

Transforming traditional analog video into high-quality digital images, Axis video servers represent a cost effective single box solution for transmitting digital video over intranet networks, or the Internet.



- High quality video at 25/30 frames per second per channel
- 10 different resolutions up to 768 x 576, and five different compression levels
- Built-in video motion detection
- Support for PTZ units
- Advanced event handling

# AXIS 241Q/S Video Server



## General

- Motion JPEG based video server with 1 or 4 channels
- Built-in web server
- Supports full frame rate on all channels simultaneously

## System Requirements

The following specification applies to the use of browser based viewing. If using application software, please refer to specifications provided with the software.

- Operating Systems: Most Windows versions (such as Win98, Win2000 and XP), Linux\*, Unix\*, Mac OS\*, Mac OS X\*
- Browsers: Most versions of Microsoft Explorer, Mozilla, Netscape\*, Opera\*
- PC Hardware: Meeting the specification for selected operating system and browser

\* Limitations in functionality

## Hardware & System

- AXIS ETRAX 100LX 32bit RISC CPU
- AXIS ARTPEC-2 video compression chip + 8/16MB RAM (241S/241Q)
- Linux 2.4 kernel
- Watch Dog functionality<sup>1</sup>
- 32/64 MB RAM (241S/241Q)
- 8 MB Flash

## Connections

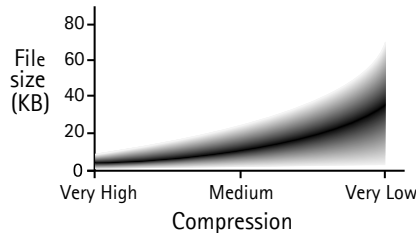
- Network: 10Base-T/100Base-TX Ethernet networks (RJ-45)
- Serial communication: RS-232 (DB-9) & RS-485 (terminal block)
- I/O: 4 alarm inputs + 4 outputs (terminal block)
- Video: Analogue composite video input/s (BNC), 241S supports Y/C video
- Power: 9 VDC / 9 W - external Power Supply, included 2
- Alternative input voltage 7-20V DC, min 7W

1) Can be linked to alarm output for external trig.

## Video

- Color & Black/White
- Frame rate: 25/30 frames per second per channel
- Video compression: Motion JPEG
- Supports 10 different resolutions in both PAL and NTSC
- Max resolution: 768 x 576
- 5 video compression levels

The file size of a JPEG image depends on factors such as selected resolution, compression level and the actual content of the image.



## Security

- Multi user level password protection for restricted camera access
- IP address filtering
- HTTPS Encryption

## Functions

- Built-in Video Motion Detection
- Scheduled and triggered event functionality with alarm notification via e-mail, TCP, HTTP and upload of images via e-mail, FTP & HTTP
- 9MB pre/post alarm memory/channel
- Image customization with text, time/date and image overlay
- Flash memory provide ability to upload embedded applications and PTZ drivers
- HTTP/TCP access to serial port peripherals
- Up to 20 simultaneous users

## Firmware updates

- Flash memory allows firmware updates over the network using HTTP or FTP over TCP/IP. Firmware upgrades are available from [www.axis.com](http://www.axis.com).

## Customer Applications

- Application Integration Interfaces
  - AXIS HTTP API
  - AXIS Media Control development tool

## Operating Conditions

- Temp: 5-50 °C (41-122 °F)
- Humidity: 20-80% RHG

## Dimensions and Weight

- Height: 42 mm (1.7")
- Width: 140 mm (5.5")
- Depth: 155 mm (6.1")
- Weight: 540 g (1.2 pounds) (excl. power supply)

## Approvals

- EMC:
  - CE Compliant according to: EN55022/1998 Class B, EN55024/1998, EN61000-3-2:2000, EN61000-3-3:2000
  - FCC Subpart B, Class A, B
  - VCCI Class B
  - C-tick AS/NZS 3548
- Safety: EN60950, UL, CSA (Power supply only)

## Included Accessories

- Power Supply
- Mounting brackets
- Connector kit
- User Manual

## Available Accessories (not incl.)

- AXIS Camera Explorer - a software that provides an easy way to select and view multiple cameras, save snapshots etc
- AXIS Camera Recorder - a professional way to monitor and record up to 16 cameras. Review and export recorded material without interrupting an ongoing recording
- Axis 802.11b Wireless Access Point and 802.11b Wireless Device Point
- S-VHS connector cable<sup>2</sup>

2) Only AXIS 241S



AXIS 241S

[www.axis.com](http://www.axis.com)