AXIS 241Q/241S Video Servers

Bringing network video benefits to analog surveillance systems.

> > High quality, de-interlaced video
>
> > Simultaneous Motion JPEG and MPEG-4 streams
>
> > Video motion detection
>
> > Support for PTZ and dome cameras
>
> > Comprehensive security features

AXIS 241Q/241S Video Servers enable analog cameras to be integrated into an IP-based video surveillance system, providing users with the benefits of professional network video technology.

AXIS 241Q/241S Video Servers convert analog video signals into high quality, de-interlaced, digital video streams that are sent over an IP network. AXIS 241Q features four analog channels and AXIS 241S features one channel. Both models are available as standalone units or blade versions for rack solutions.

MPEG-4 and Motion JPEG streams can be sent simultaneously from each channel and at full frame rate. This allows users to have different viewing and recording settings that are optimized for image quality and efficient bandwidth/storage use.

AXIS 241Q/241S Video Servers provide powerful event management functions. Events can be triggered for example by video motion detection and external input devices, and responses can include image upload, alarm notifications and activation of external devices such as lights, doors or alarms.

The video servers' serial ports enable pan/tilt/zoom control of PTZ cameras and PTZ dome cameras over the network.

AXIS 241Q/241S Video Servers offer comprehensive security features such as multiple user access levels, IP address filtering, HTTPS encryption and IEEE 802.1X.
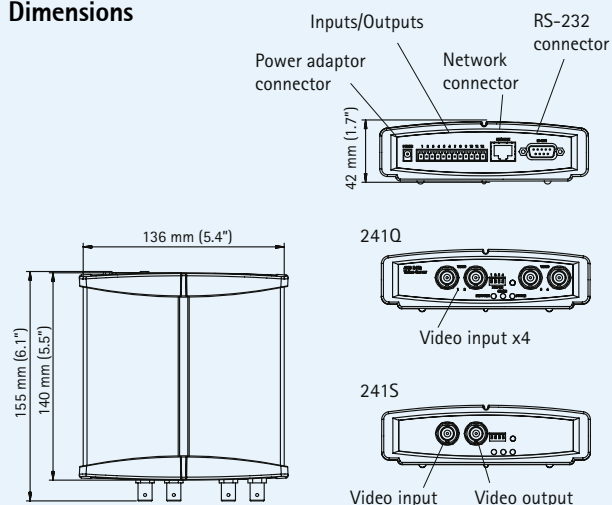
Technical specifications – AXIS 241Q/241S Video Servers

Video encoder

Models	**AXIS 241Q*:** Four video channels **AXIS 241S*:** One video channel *Also available as blade versions for Axis Video Rack Solution
Video compression	MPEG-4 Part 2 (ISO/IEC 14496-2) Motion JPEG
Resolutions	160x120 to 704x576
Frame rate MPEG-4	**AXIS 241Q:** Up to 20/17 (NTSC/PAL) fps at CIF **AXIS 241S:** Up to 30/25 (NTSC/PAL) fps at 2CIF, 21/17 fps at 4CIF
Frame rate Motion JPEG	**AXIS 241Q:** Up to 30/25 (NTSC/PAL) fps at CIF **AXIS 241S:** Up to 30/25 (NTSC/PAL) fps at 4CIF
Video streaming	Simultaneous MPEG-4 and Motion JPEG Controllable frame rate and bandwidth VBR/CBR MPEG-4
Image settings	Compression, color, rotation, aspect ratio correction, mirroring Text and image overlay Privacy mask De-interlace filter
Pan/Tilt/Zoom	Wide range of analog PTZ cameras supported (drivers available for download at www.axis.com) 20 presets/camera Guard tour PTZ control queue Supports Windows compatible joysticks

Network

Security	Password protection, IP address filtering, HTTPS encryption, IEEE 802.1X network access control, digest authentication, user access log
Supported protocols	IPv4/v6, HTTP, HTTPS, QoS layer 3 DiffServ, FTP, SMTP, Bonjour, UPnP, SNMPv1/v2c/v3(MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS

System integration

Application Programming Interface	Open API for software integration, including VAPIX® from Axis Communications available at www.axis.com
Intelligent video	Video motion detection, active tampering alarm
Alarm triggers	Intelligent video, external inputs, video loss
Alarm events	File upload via FTP, HTTP and email Notification via email, HTTP and TCP External output activation
Video buffer	9 MB pre- and post-alarm per channel

General

Casing	Metal casing Standalone, stackable or with brackets for wall or cage mount
Processors and memory	**AXIS 241Q:** ARTPEC-2, 64 MB RAM, 8 MB Flash **AXIS 241S:** ARTPEC-2, 32 MB RAM, 8 MB Flash
Power	7 – 20 V DC, max 8 W
Connectors	Analog composite video NTSC/PAL auto-sensing: **AXIS 241Q:** 4 BNC inputs **AXIS 241S:** 1 BNC input and 1 BNC output: loopthrough or Y/C video input RJ-45 10BaseT/100BaseTX Terminal block: I/O terminal block for four configurable inputs/outputs RS-485/ RS-422 D-sub for RS-232 port
Operating conditions	5 – 50 °C (41 – 122 °F) Humidity 20 – 80% RH (non-condensing)
Approvals	EN 55022 Class B, EN 61000-3-2, EN 61000-3-3, EN 55024, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, C-tick AS/NZS CISPR 22, EN 60950 Power supply: EN 60950-1, UL, cUL
Weight	540 g (1.2 lbs)
Included accessories	Power supply, mounting and connector kits, Installation Guide, CD with installation and management tools, software and User's Manual, 1 Windows decoder user license

More information is available at www.axis.com

Dimensions

Power adaptor connector
Inputs/Outputs
Network connector
RS-232 connector

42 mm (1.7")

136 mm (5.4")
155 mm (6.1")
140 mm (5.5")

241Q
Video input x4

241S
Video input   Video output

Optional accessories

AXIS Rack Solution

AXIS 295
Video Surveillance Joystick

For information on AXIS Camera Station and video management software from Axis' Application Development Partners, see www.axis.com/products/video/software/

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