

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.

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.

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.

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.

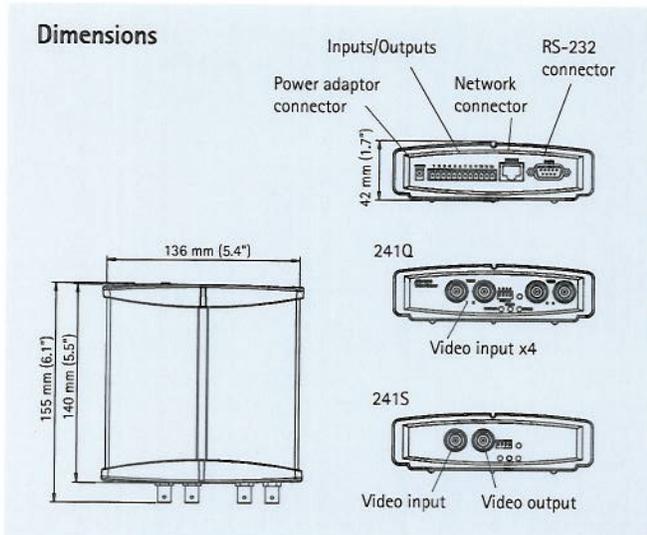
Technical specifications – AXIS 241Q/241S Video Servers

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



Optional accessories

AXIS Rack Solution



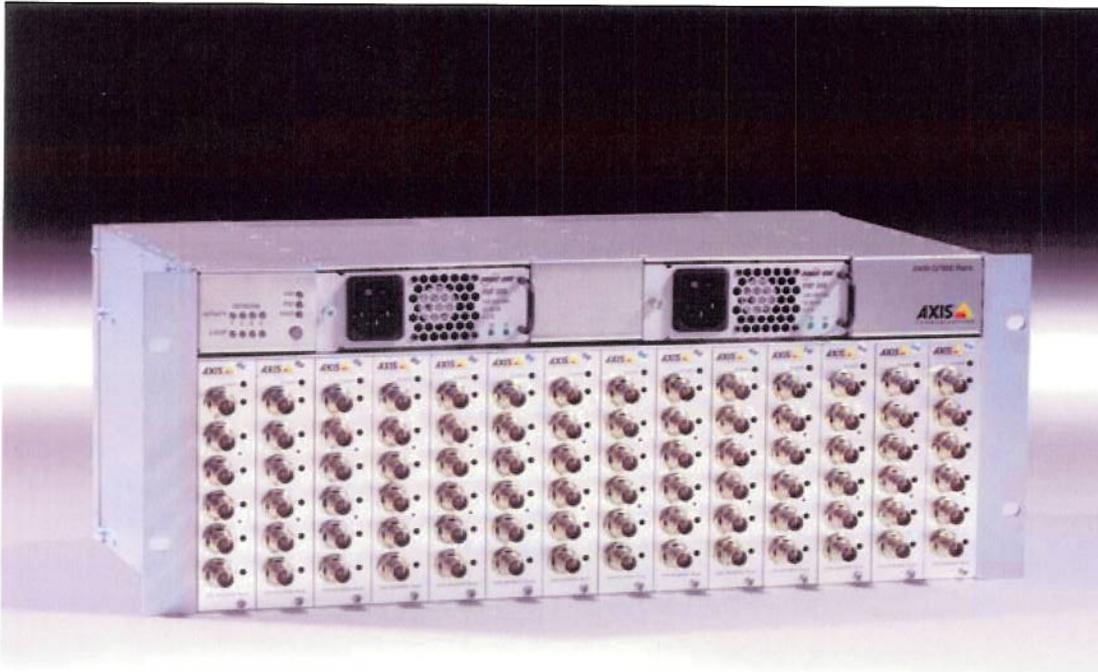
AXIS 295
Video Surveillance Joystick



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

AXIS Q7900 Rack

High-density rack solution for demanding video surveillance.



- > Slots for 14 hot-swappable blades
- > Four Gigabit Ethernet ports
- > Redundant power supplies
- > Hot-swappable fan cassettes

AXIS Q7900 Rack is one of the industry's highest-density rack solutions, enabling up to 84 analog cameras to be integrated into an IP-based video surveillance system. It is ideal for large, professional installations that require outstanding performance and reliability, as well as ease of installation and maintenance.

AXIS Q7900 is a 4U, 19-inch rack that holds up to 14 hot-swappable blades. Blades can be added or changed without having to power down the rack.

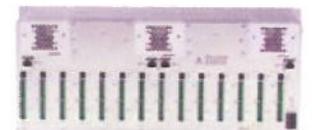
Any combination of blades – whether they are 1-, 4- or 6-channel blades supporting different compression formats, resolutions and frame rates – can be used. The rack offers flexibility and support for an expanding video surveillance system.

When the rack is fully equipped with AXIS Q7406 Video Encoder Blades, 84 analog cameras can be supported. With four ports supporting Gigabit Ethernet, the rack can deliver multiple video streams from each of the 84 channels.

AXIS Q7900 is a highly reliable unit. It has two redundant power supply units; if one of the power supplies needs to be replaced, no disruption to the rack's operation will occur.

AXIS Q7900 also has hot-swappable fan cassettes that can be replaced without the need to cut off power.

The rack supports PTZ and PTZ dome control through RS-485 connectors at the back of each slot. Each slot also has connections for external input and/or output devices, which allow for external alarm triggers and control of devices such as doors or lights in an event.



Technical specifications – AXIS Q7900 Rack

Video encoder rack	
Expansion slots	14 slots for Axis video encoder blades
Casing	4U, 19-inch metal casing for rack mounting
Power	100-240 V AC, max. 480 W 2 exchangeable, redundant power supply units
Connectors	4 Ethernet 10BaseT/100BaseTx/1000BaseT ports, RJ-45 (Gigabit Ethernet); use 1, 2, 3 or 4 Ethernet ports depending on the bandwidth requirement 14 terminal blocks, each with inputs/outputs, RS-485 half-duplex, 12 V power out
Cooling	3 replaceable fan cassettes

Operating conditions	0-45 °C (32-113 °F) Humidity 20-80% RH (non-condensing)
Approvals	EN 55022 Class B, 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, VCCI Class B, AS/NZ CISPR 22, ICES-003, UL, cUL, EN 60950-1
Weight	7550 g (16.6 lb.) excluding blades
Included accessories	Installation Guide, mounting kit, 2 AC power cables, terminal blocks

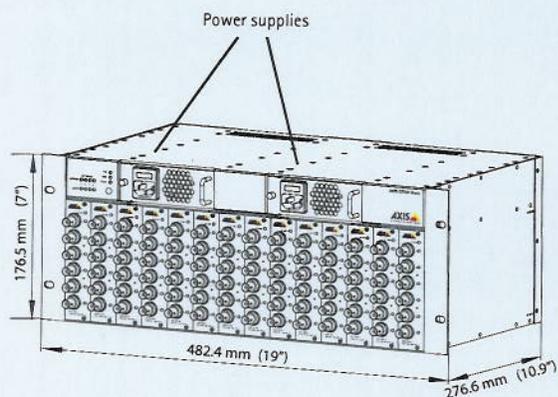
More information is available at www.axis.com

Compatible video encoder blades					
Blade	No. of channels	Video compression*	Frames per second (NTSC/PAL) in max. resolution	External inputs/outputs	PTZ support
AXIS Q7406	6	H.264	Multiple streams at 30/25 in D1 per channel	12 configurable	●
		Motion JPEG			
AXIS 243Q	4	MPEG-4	30/25 in 4CIF per channel	4/4	●
		Motion JPEG			
AXIS 241Q	4	MPEG-4	21/17 in 4CIF using 1 channel, 20/17 in CIF per channel using 4 channels	4/4	●
		Motion JPEG	30/25 in 4CIF using 1 channel, 30/25 in CIF per channel using 4 channels		
AXIS 240Q	4	Motion JPEG	6/5 in 4CIF per channel	4/4	●
AXIS 241S	1	MPEG-4	21/17 in 4CIF, 30/25 in 2CIF	4/4	●
		Motion JPEG	30/25 in 4CIF		

*H.264 is also known as MPEG-4 Part 10/AVC. In the table, MPEG-4 refers to MPEG-4 Part 2.

Dimensions

Front view



Back view

