AXIS 241Q/241S Video Servers
Bringing network video benefits to analog surveillance systems.

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.
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

Frame rate
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

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

System integration

Application
Open API for software integration, including VAPIX® from Axis Communications available at www.axis.com

Programming Interface

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 1/C video input
RS-45 10BaseT/100BaseTX
Terminal block:
I/O terminal block for four configurable inputs/outputs
RS-485/ RS-422
D-sub for RS-232 port

Network

Security
Password protection, IP address filtering, HTTPS encryption, IEEE 802.1X network access control, digest authentication, user access log

Supported protocols
IPv4/6, 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

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

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

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/