



# AXIS 2400/2401 Video Server

## *IP Surveillance*

The AXIS 2400 and 2401 are high performance video servers designed for professional surveillance applications.

Connecting directly to an Ethernet network or modem the AXIS 2400 accommodates up to four analog video streams; whereas, the AXIS 2401 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.

Easy to install and use, a professional surveillance application can be up and running in minutes. The system is as open or as closed as you like.



- Axis IP Surveillance technology
- "Plug and Watch" – over any TCP/IP network
- Up to 4 analog camera inputs
- Support for Pan, Tilt, Zoom units
- Video stream – 30/25 frames/second

# Technical Specification – AXIS 2400/2401 Video Server

## System requirements

- Axis' video servers use the standard Internet TCP/IP suite of protocols and can be used With most operating systems: Windows 95, 98 and NT as well as Linux, UNIX, Mac and several others. The only software needed is Internet Explorer 4.x with Axis' camera ActiveX control or Netscape Navigator 4.x.

## Installation

- Physical network connection using RJ45 twisted pair cable.
- Installs directly to NTSC or PAL video cameras using BNC connectors. Use as a standalone system or as an add-on to existing CCTV systems.

## Management

- Remote configuration and status using Web-based tools.

## Compression

- Motion-JPEG, as well as single snapshot JPEG images. User controlled compression level.

## Video features

- Time stamp and text overlay. Color control (B/W or color).

## Video inputs

- AXIS 2400 – 4 BNC composite video inputs with 75Ω/Hi Z termination. Autosensing for NTSC and PAL.
- AXIS 2401 PAL – single BNC composite PAL video input with one BNC video loop-through port.
- AXIS 2401 NTSC – single BNC composite NTSC video input with one BNC video loop-through port.

## Networking

- 10baseT Ethernet or 100baseTX Fast Ethernet, TCP/IP, HTTP, FTP, SMTP, NTP, ARP, DHCP, BOOTP.
- PPP/Modem support

## General I/O

- A single Terminal Block connector providing four opto-isolated alarm inputs and a single output relay. Event-triggered actions for remote image storage via File Transfer Protocol (FTP) or E-mail (SMTP), pre/post alarm image storage.

## Pre/post alarm buffer

- Up to 4 MB memory available for pre/post alarm image storage.

## Serial connectors

- 9 pin D-SUB RS-232 max 230 Kbps.
- 9 pin D-SUB RS-232 or RS-485/422 max 38.4 Kbps, half duplex.

## Pan/Tilt/Zoom

- PTZ support for remote camera control. Currently supported units and protocols include: BT Trippy, Canon VC-C3, VC-C4, Daiwa, Diamond SmartScan III, Ernitech ICU 51PA, Kalatel, Lilin, Panasonic, Pelco-D, Sony EVI-G20/21, EVI-D30/31, Surveyor, VCL, Videmech (UOCP), Videor, and Videotronic. Future support for other PTZ units will be added.

## Security

- User level password protection.

## Operating conditions

- Temp: 40-125°F (5-50°C).
- Humidity: 20-80% RHG.

## Metrics

- Height: 1.7" (4.2 cm).
- Width: 5.7" (14.5 cm).
- Length: 8.7" (22.0 cm).
- Weight: 1.7 lb. (0.8 kg), excluding power supply.



## Approvals

- EMC: FCC Class A, VCCI.  
EN 55022/1994, EN50082-1/1992.
- Safety: EN 60950, UL, CSA.

## Hardware

- ARTPEC-1 compression chip.
- ETRAX 100, 32 bit RISC, 100 MIPS CPU.
- 16 Mbyte RAM.
- 2 Mbytes FLASH PROM.

## Power

3 alternative power sources:

- External power supply 12V AC, 9.6 VA (PS-D, included).
- 9-20V AC, min 10VA.
- 6-30V DC, min 7W.

## Complementary software

- AXIS IP Installer – for quick installation of multiple units.
- AXIS ThinWizard – for remote upgrade of multiple Axis units.
- ActiveX components available for third party system integration and development.

## Customer applications

- To allow user defined applications to run the AXIS 2400/2401 supports PHP3-scripts.

## Thinserver™ Technology

- Based on Axis' own ETRAX 32-bit RISC processor, Axis' JPEG compression chip ARTPEC-1, and Linux, the Axis Thin Server Technology guarantees an open architecture, streamlined and optimized for device connectivity independent of any file server.



For more information visit our website: [www.axis.com](http://www.axis.com)

AXIS Communications  
Office Locations

LUND:  
Phone: +46 46 272 18 00

BOSTON:  
Phone: +1 978 614 20 00

MIAMI:  
Phone: +1 305 629 3524

LONDON:  
Phone: +44 20 7553 9200

MADRID:  
Phone: +34 91 803 46 43

MUNICH:  
Phone: +49 811 555 0810

PARIS:  
Phone: +33 1 49 69 15 50

ROTTERDAM:  
Phone: +31 10 444 34 34

TURIN:  
Phone: +39 011 841 321

HONG KONG:  
Phone: +852 2836 0813

SEOUL:  
Phone: +82 2 780 9636

SHANGHAI:  
Phone: +86 21 6431 1690

SINGAPORE:  
Phone: +65 836 2777

TAIPEI:  
Phone: +886 2 2546 9668

TOKYO:  
Phone: +81-3-5531-8041

SYDNEY:  
Phone: +61 2 9967 5700

KUALA LUMPUR:  
Phone: +60 3 2474 582