AXIS 2400+/2401+
Video Servers

Follow-ups to the world's most sold video servers

The AXIS 2400+ / 2401+ Video Servers are high performance video servers designed for professional surveillance applications, giving increased memory and performance compared to their predecessors.

Connecting directly to an Ethernet network or modem, the AXIS 2400+ can accommodate up to four analog video streams, whereas the AXIS 2401+ accommodates a single video input stream and a video output for the connection of an analog monitor. Transforming traditional analog video into high-quality digital images, these Axis video servers provide a comprehensive single box solution for video transmission over intranet networks, or the Internet.
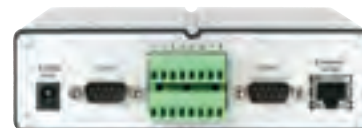
Easy to install and use, a professional surveillance application can be up and running in minutes. The system is as open or as closed as you like.

- Live video and remote monitoring – with standard TCP/IP networks
- Increased memory and performance
- High quality motion-JPEG images at up to 30 frames / second
- Support for Pan, Tilt, Zoom units
- Built-in Web Server

AXIS
COMMUNICATIONS

General

- Use as a standalone system or added on to existing CCTV systems
- Remote configuration and status using Web based tools
- PPP/Modem support
- Event handling including mail, TCP, HTTP and FTP notification and video upload
- Audio functionality available in combination with the AXIS 2191 Audio Module

System Requirements

Compatible with:

- Operating systems such as Windows 2000, Windows XP, Windows NT, Windows ME and Linux
- Web browsers such as Internet Explorer 4.x, 5.x, 6.x or Netscape Navigator 4.x

Hardware and System

- CPU: ETRAX 100LX, 32 bit RISC, 100 MIPS
- Compression chip: ARTPEC-1
- 4 MB Flash memory
- 32 MB SDRAM
- 100baseTX Fast Ethernet or 10baseT Ethernet
- Network protocols: TCP/IP, HTTP, FTP, SMTP, NTP, ARP, DHCP, BOOTP and more
- Based on Linux version 2.4 operating system

Connections

Network

- RJ45 connection to 10/100 Mbit Ethernet networks

Video inputs

- The AXIS 2400+ has four BNC composite video inputs with 75/Hi Z termination
- The AXIS 2401+ has a single BNC composite video input with 75/Hi Z termination and one BNC video loop-through port
- Auto sensing for NTSC and PAL

I/O

- A single Terminal Block connector providing four opto-isolated alarm inputs and a single output relay

Serial connectors

- 9 pin D-SUB RS-232 max 115 Kbit/s
- 9 pin D-SUB RS-232 or RS-485/422 half duplex, max 115 Kbit/s

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

Video

Frame rate

- Image frame rate: up to 25 (PAL)/30 (NTSC) frames/second
- Bandwidth control prevents data saturation on the network

Compression

- Motion-JPEG video, as well as JPEG still images

Resolution	Compression level		
	Low	Medium	High
NTSC, 352x240	10 KB	7 KB	3 KB
NTSC, 704x480	43 KB	28 KB	13 KB
PAL, 352x288	12 KB	8 KB	4 KB
PAL, 704x576	52 KB	34 KB	20 KB

- 5 levels of compression are available. The file size of a JPEG compressed image depends on the actual content of the image. Images containing a lot of detail will generate larger files. Image quality is controlled through the level of compression. High compression yields smaller files at the expense of image quality, while low compression results in larger files, but maintains image quality. The table above shows average file sizes, derived from real life tests

Resolution

- QCIF: 176 x 112 (NTSC), 176 x 144 (PAL)
- CIF: 352 x 240 (NTSC), 352 x 288 (PAL)
- 4CIF: 704 x 480 (NTSC), 704 x 576 (PAL)

Video features

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

Security

- User level password protection for restricted camera access

Pre/Post alarm buffer

- Up to 12 MB memory available for pre/post alarm image storage, i.e. approx. 16 minutes of video at one frame/second, CIF resolution, normal compression

Pan/Tilt/Zoom

- PTZ support for remote camera control. Currently supported units and protocols include: EVI-G20/21, EVI-D30/31, EVI-D100/100P, Canon VC-C4/VC-C4R, Videmech 682/555rx, Ernitech ICU-PTZ S, Pelco DD5-C, Ultrak KD6/Smartscan III, Kalatel KTD-312, Surveyor TransitRCM, Daiwa DMP15-h1, Videor Tech. VPT42RS, Videotronic KON 485/HDI-5DE/SN-15AH, VCL 8" Microsphere, Lilin PIH717, IVC Pan/Tilt, Panasonic WV-CS850/854, Panasonic CS850A/854A, Molynx D05RX/L, Sensormatic SpeedDome Ultra III, Philips CSI Autodome G3A
- Future support for other PTZ units will be added – check Axis web site for the latest update

Firmware updates

- Flash memory allows firmware updates over the network, using FTP over TCP/IP. Firmware upgrades available from Axis' web site at: www.axis.com

Customer Applications

- Compliance with the AXIS HTTP API for applications and systems integration
- Support for shell scripting to allow user defined applications
- Up to 0.5 MB available for storage of customer Web pages and scripts

Operating Conditions

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

Dimensions and Weight

- 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, EN55022/1994, EN55024/1998
- Safety: EN60950, UL, CSA

For more information visit our website: www.axis.com

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