AXIS 240 Camera Server

The Network Camera Server for Enhancing Remote Monitoring Functions and Live Surveillance Applications

Camera Servers

The AXIS 240 Camera Server is the easy way to provide remote monitoring of images over a network. Unlike traditional video monitoring — which requires dedicated monitors and expensive coax cables — the AXIS 240 lets you connect up to five video cameras directly to any Ethernet network, intranet, or even the Internet. Then, authorized users can monitor sites from anywhere through a Web browser.

The AXIS 240 is both easy to install and easy to use, and its relatively low cost makes it a versatile solution that enhances your existing monitoring system.

Wide Range of Applications

The application possibilities are unlimited. Security professionals use the AXIS 240 for general surveillance, badge recognition, and other applications. Companies in all industries use it to monitor sensitive areas, entrance lobbies, parking lots, and supply rooms. Small business owners use it to verify intruder alarms. Contractors use it to enhance security of construction sites. Manufacturers use it to monitor factory production. Any surveillance application — from business to home security — can benefit from the low cost and versatility of the AXIS 240 Camera Server.

Cost-effective

Until now, network imaging solutions have required complicated systems involving PCs, additional expensive software and hardware, workstations and sometimes specific video cabling. With the AXIS 240 Camera Server, your network becomes an immediate resource for imaging without involving unnecessary equipment or installation costs. Send password-protected images through regular phone line via cellular, wireless, ISDN, or PSTN connection for 24-hour remote accessibility.

A Self-contained, Ready-to-use Solution

The AXIS 240 Camera Server includes everything you need to set up a remote monitoring system. It uses standard, built-in software and works with any platform. It is also pre-equipped with Pan/Tilt/Zoom functionality for full image control. The AXIS 240 is also capable of automatically sending a time or event-triggered e-mail. Simply connect it to the Ethernet network, assign an address, and you are ready to take and view live images remotely from your Web browser.

High Performance

The AXIS 240 is optimized for video monitoring and features high-performance RISC hardware, so it takes less than a second to update a full-size, high-quality JPEG image.

Works in any Network Environment

Designed as an open Web server, the AXIS 240 Camera Server integrates easily into groupware applications as well as the Internet itself. It connects locally on a LAN or remotely using an external modem. You can use it in mixed operating environments, such as Windows, Mac, UNIX, and OS/2. All it requires is a Web browser and TCP/IP available on the viewing client.

The AXIS 240 Camera Server, with built-in network technology, offers versatility and cost-savings.

Camera Servers

Technical Specifications

MODEL

AXIS 240 Camera Server
0072-1

NETWORK SYSTEMS

All systems running TCP/IP and having an HTTP browser supporting HTML version 0.9 or higher and JPEG files, e.g., Netscape Navigator 1.22 and Microsoft Internet Explorer 1.0 and higher

PROTOCOLS

ARP, RARP, BOOTP, TCP, IP, HTTP, SMTP, ICMP, FTP, SNMP and DNS. Via modem: PPP, Z-modem

INSTALLATION

Assign an IP address via ARP, RARP, or BOOTP. Attach to Ethernet or modem for a remote application. No need for any special software, works with standard Windows, UNIX, or OS/2.

NETWORK MANAGEMENT

Configuration and status via standard HTTP browser

SECURITY

Password protection

SOFTWARE UPDATES

Flash memory allows central and remote software updates over the network using FTP over TCP/IP. All software upgrades are available via Axis WWW server and are offered free of charge.

PROGRAMMABLE

Extended CRON service allows periodic command execution within the AXIS 240. This enables programming of events and/or time triggered functions.

Command examples:
File Transfer Protocol (FTP) and Simple Mail Transfer Protocol (SMTP) for image transfer from the AXIS 240 to e-mail addresses. Online/Offline commands establish/terminate PPP connnections to the AXIS 240. Use time, date, and alarm inputs as triggers.

VIDEO INPUTS

4 standard composite video inputs 75 ohm possible to use without terminator (Hi-Z) and one Y/C video input. NTSC or PAL video formats are supported. Each input is autosensing for NTSC or PAL.

RESOLUTION

160 x 112 (NTSC)
192 x 144 (PAL)
320 x 240 (NTSC)
352 x 288 (PAL)
640 x 480 (NTSC)
704 x 576 (PAL)

PICTURE FEATURES

The image size is programmable using CGI parameters up to a maximum size of 704 x 576. It is possible to do a zoom-in of 352 x 288.

Server push for live updated pictures.

Parameters for rotation, quality, mirroring, color, etc. can be set.

PERFORMANCE

A 352 x 288 high-quality JPEG file is updated in 0.7 second. Using server push, up to 6 frames/second can be transmitted.

NETWORK ATTACHMENT

Ethernet 10base-T, RJ45 (twisted pair)

HARDWARE

CPU: 32-bit RISC processor (ETRAX)
FLASH PROM: 2.0 MB
RAM: 8 MB

ALARM INPUTS AND CONTROL

Mini-Din 8-poles for external connector, 1 relay output and 4 alarm inputs. These are software controlled for general purpose I/O and trigger inputs.

SERIAL CONNECTORS

2 x RS-232C (9 pin DSUB)

A serial/wireless modem connection — supports up to 115 kbps

A Pan/Tilt/Zoom connection for cameras, enclosures, and domes

ADDITIONAL SOFTWARE

From the Axis Web site, a user-friendly application software (Windows 95/NT and UNIX) can be downloaded to transfer pictures to your Web server or to record pictures on hard disk. Can also be used for monitoring the I/O ports.

OPERATING TEMPERATURE

40–125° F (5–50° C)

HUMIDITY

20–80% RHG, non-condensing

APPROVALS

EMC: FCC Class A
CE: EN 55022/1987, EN50082-1/1992
Safety: EN 60950, UL, CSA

SIZE

Height: 1.5 in (4.0 cm)
Width: 5.7 in (14.5 cm)
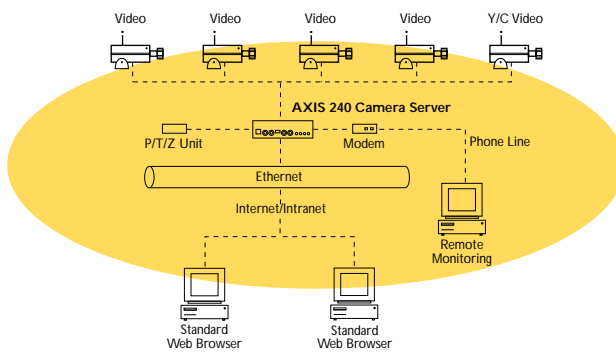Length: 7.7 in (19.5 cm)

WEIGHT

1.0 lb. (0.5 kg), excluding power supply

POWER SUPPLY

12V AC, 6 VA, via external power supply (PS-D)

THINSERVER™ TECHNOLOGY

The AXIS 240 Camera Server incorporates ThinServer Technology from Axis Communications. This technology is comprised of "thin" versions of the most popular network operating systems, Web management tools, and Axis' own ETRAX 32-bit RISC processor — based on open architecture, and streamlined and optimized for device connectivity independent of any file servers.

| Video | Video | Video | Video | Y/C Video |

AXIS 240 Camera Server

P/T/Z Unit — Modem — Phone Line
Ethernet
Internet/Intranet
Remote Monitoring
Standard Web Browser — Standard Web Browser

P R O D U C T S E L E C T I O N G U I D E						
Model Number	Part Number	Image Transfer Over	Average Image Size	Communicates Over	View Through	P/T/Z
Axis 200+ Web Camera	0064-2	RS232/10BaseT	25 kbyte	Internet/Intranet/ Modem/PSTN/ Phone Line	Web Brower	x
Axis 240 Camera Server	0072-1	RS232/10BaseT	20 kbyte	Internet/Intranet/ Modem/PSTN/ ISDN/Phone Line	Web Brower	–

YEAR 2000-COMPLIANT

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