AXIS 2420
Network Camera
Looking Forward...

With motion detection, applications for event-triggered transmission and remote storage of images, the AXIS 2420 is a professional surveillance camera for the future-proof security system.

The AXIS 2420 connects directly to local networks or the Internet, transmitting high-quality streaming video, 30(NTSC)/25(PAL) images per second.

Cost-effective, easy to install and use, a remote surveillance system can be up and running in minutes. The system can be as open or closed as you like it.

For a progressive move to a digital, network-based surveillance system, the AXIS 2420 can complement analog CCD cameras in and existing CCTV-system.

- ■ "Plug and Watch" — over any TCP/IP network
- ■ Built in Motion Detection
- ■ Built in Web Server
- ■ Support for Pan, Tilt and Zoom units
- ■ Video stream — 30/25 frames/second

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Technical Specification - AXIS 2420 Network Camera

Product Features

- Built-in Web Server and network interface. No PC needed for operation.
- Up to 30 (NTSC)/25 (PAL) frames/sec.
- Contains a Linux-based operating system for maximum reliability.
- Powerful video Motion Detection with multiple sensitivity windows.
- Accepts Dial-in and Dial-out access via external modem (modem not included).
- Event triggered remote image storage via e-mail and FTP.
- High speed Hardware-based image compression generating high quality JPEG images.
- 100 MIPS RISC processor for high performance.
- Secure – password/username protection restricts access to single users, workgroups, or the whole Internet community.
- Variable bandwidth control prevents data saturation on the network. 30 (25) frames/sec. typically requires about 1.5 Mbit/sec.
- Flash memory for simple upgrades and storage of user-designed html files.

Image

- JPEG still images and Motion-JPEG video.
- Image frame rate: up to 30 (25) frames/sec. at 352x240 (352x288) resolution.
- Up to 12 (10) frames/sec. at 704x480 (704x576) resolution.
- 5 levels of compression are available. The file size of a JPEG compressed image depends on the actual content of the image. Images containing much 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 contains average file size, derived from real life tests.

Resolution	Compression level		
	Low	Medium	High
NTSC, 352x240	10kb	7kb	3kb
NTSC, 704x480	43kb	28kb	17kb
PAL 352x288	12kb	8kb	4kb
PAL, 704x576	52kb	34kb	20kb

System Requirements

- Internet Explorer 4.x, 5.x or Netscape Navigator 4.x. Null modem installation requires Windows PC with Dial-up networking.

Operating Environment

- Requires proper environmental housing for outdoor use, 40–122º F (5–50º C). 20–80% RHG, non-condensing.
- A DC-Iris lens must be used and correctly configured for use in environments were strong light conditions prevail. Avoid aiming the camera directly towards extremely bright objects like the sun, as this may damage the CCD image sensor.

Technical Specification

- Digital, 24-bit color.
- 1/3" Sony EXview HAD interlaced CCD.
- HxV: 768x494, (752x582). 470 TV lines Horizontal Resolution
- Backlight Compensation.
- Automatic Gain Control (AGC).
- Automatic and fixed White Balance.
- Electronic shutter: 1/60s (1/50s)–1/10000s.
- Illumination: 1 to 200 000 Lux with F1.0 DC-Iris lens. Excellent in low light situations
- 16 Mbyte RAM (up to 4 MB available for pre/post alarm image storage).
- 4 Mbyte FLASH (up to 2 MB available for user-designed html files).
- ETRAX 100 LX, 32 bit RISC, 100 MIPS CPU.
- NTSC/PAL color system.
- 1.0V (p-p) 75Ω, sync negative.
- Signal-to-Noise Ratio: 50dB (AGC off)
- Built-in support for DC-iris lenses.
- Standard CS mount lens fitting(lens not included).

Connections

- RJ45 twisted pair direct network connection for 100baseTX Fast and 10baseT Ethernet.
- Input/Output connector to trig the camera and control external devices; e.g. a door opener with a solenoid.
- RS-232 port for modem connection or control of RS-232 devices (modem not included).
- RS-485 port for control of RS-485 devices.
- DC-Iris lens connector.
- External power supply connector 9–15V AC, min 10VA or 9–15V DC, min 8W.
- BNC connector for Analog Video Output (NTSC or PAL).

Supported Protocols

- TCP/IP, HTTP, FTP, SMTP, ARP, BOOTP, PPP, CHAP, PAP.

Metrics

- Height: 2.24" (57mm)
- Width: 3.39" (86mm)
- Length: 5.43" (138mm)

Approvals

- EMC:
  - This equipment complies with the requirements in Part 15 subpart B of FCC Rules for Class A computing device
  - CE EN 55022 class B, EN55024
  - FCC Class A
- Safety:
  - EN 60950, UL, CSA

Accessories Included

- Null modem cable for modem installation.
- Power supply: 12V AC, 9.6 VA.
- I/O connectors.
- DC Iris lens connector.

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

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