



AXIS 2420 Network Camera -IR Sensitive

Day and night, around the clock - watch intruders over your network with one single camera

Day and night, around the clock - watch intruders over your network with a single camera. Use the AXIS 2420 Network Camera - IR Sensitive in combination with infrared lighting - and see in the dark what the human eye can't.

Offering access to live video in low-light conditions, the AXIS 2420 IR Sensitive delivers streaming black and white video directly into standard Web browsers at up to 30 frames per second. It plugs directly to local IP networks.

Combining remote network video storage with built-in motion detection for event-triggered transmission, it's ideal for discreet and covert, low-light, video applications.



- For low-light conditions
- "Plug and Watch" - over any IP network
- Built in Motion Detection
- Built in Web Server
- Support for Pan, Tilt, Zoom units
- Video stream - up to 30 frames per second

AXIS[®]
COMMUNICATIONS
Make your network smarter

AXIS 2420 Network Camera IR Sensitive



General

- IR Sensitive black & white camera for low light conditions
- Built-in Web Server and network interface. No PC needed for operation
- Analog output allows direct connection to existing analog CCTV systems. The analog and digital signals can be used independently or simultaneously
- Powerful video Motion Detection with multiple detection windows
- Linux-based operating system

System Requirements

- Windows 98, Windows 2000, Windows XP, Windows NT, Windows ME, Linux, Mac OS or Mac OS X
- Internet Explorer 4.x, 5.x or Netscape Navigator 4.x
- Non-network, i.e. modem installation requires Windows PC with Dial-up networking

Installation

- Quick and easy installation - connect to your network, assign an IP address or use the included null-modem cable for modem installation

Management

- Flash memory for simple upgrades and storage of user designed html files

Security

- Secure password/user name protection. Restrict access to single users or workgroups, or open up to the whole Internet community

Supported Protocols

- TCP/IP, HTTP, FTP, SMTP, ARP, BOOTP, PPP, CHAP, PAP, DHCP and more

Camera

Image sensor

- 1/3 inch Sony ExView HAD interlaced B&W CCD
- HxV: 768x494 (NTSC), 752x582 (PAL)
- Resolution (pixels): 704x480 (NTSC), 704x576 (PAL)
- Horizontal resolution: 480 TV lines

Exposure

- Backlight Compensation
- Automatic Gain Control (AGC)
- Electronic shutter:
1/60 - 1/10.000 sec. (NTSC)
1/50 - 1/10.000 sec. (PAL)

Sensitivity

- Illumination range: 0,5 to 200 000 Lux with F1.0 DC-Iris lens. Excellent in low light situations

Lens

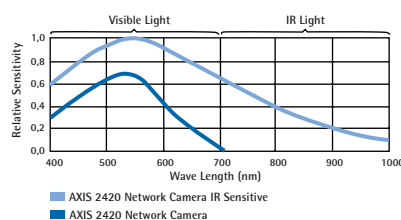
- Built-in support for DC-iris lenses
- Standard CS mount lens fitting
- The AXIS 2420 IR Sensitive is available with or without DC-Iris vari-focal 2.8-11mm (zoom) lens

Video Output

- 1.0V (p-p) 75 ohm, sync negative

Signal-to-Noise Ratio

- 50dB (AGC off)



Video

- Black and white JPEG still images and Motion JPEG video
- Image frame rate up to 30 frames/second
- Compression Motion JPEG
- 5 compression levels for each resolution mode
- Supported resolutions:
 - CIF 352x240 (NTSC), 352x288 (PAL)
 - 4CIF 704x480 (NTSC), 704x576 (PAL)
- Image Overlay:
 - Time Et Date
 - User defined text
- Network bandwidth usage limitation control

The file size of a JPEG image depends on factors such as selected resolution, compression level and the actual content of the image. An average JPEG image will normally be 3 KB - 30 KB.

Hardware

- ETRAX 100 LX processor for high-performance, 32 bit RISC, 100 MIPS CPU
- 16 Mbyte RAM
- 4 Mbyte FLASH PROM

Connections

- RJ45 twisted pair direct network connection for 100baseTX Fast and 10baseT Ethernet
- BNC connector for Analog Video Output (EIA or CCIR B&W)
- Input/Output connector to trigger the camera and control external devices
- 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

- Accepts Dial-in and Dial-out access via external modem (modem not included)
- Event triggered remote image storage via e-mail and FTP
- External power supply connector 9-15V AC, min 10VA or 9-15V DC, min 8W

Operating Environment

- Requires proper environmental housing for outdoor use
- Operating temperature: 5-50°C (41-122°F)
- Humidity: 20-80% RHG, non-condensing
- A DC-Iris lens must be used and correctly configured for use in environments where strong light conditions prevail. Avoid aiming the camera directly towards extremely bright objects such as the sun, as this may damage the CCD image sensor

Dimensions and Weight

- Height: 2,3" (57 mm)
- Width: 3,4" (86 mm)
- Length: 8,0" (203 mm) with lens, 5,7" (145 mm) without lens
- Weight: 1,2 lbs (0,54 kg) with lens, 1,0 lbs (0,47 kg) without lens (excl. power supply and tripod)

Approvals - EMC

- EMC: FCC Class A, part 15 subpart B
- CE: EN 55022 Class B, EN 55024
- Safety: EN 60950, UL, CSA

Included Accessories

- DC-Iris variable focal length lens (2.8-11mm) (AXIS 2420 IR sensitive with LENS only)
- Rugged metal tripod (AXIS 2420 IR sensitive with LENS only)
- DC-Iris lens connector
- Null-modem cable for modem installation
- Power supply: 12V AC, 9.6 VA
- I/O connectors

Available Accessories (not included)

- Axis 290A Outdoor housing - IP66 rated enclosure suitable for protecting the camera in outdoor environments*
- IR Illuminators - providing non visible illumination
- AXIS Camera Explorer - a software that provide an easy way to select and view multiple cameras, save snapshots etc
- AXIS Camera Recorder - a professional way to monitor and record up to 16 cameras. Review and export of recorded material without interrupting ongoing recording

* Available in European version only

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