

Catch it, Web it, Watch it...



Complete with built-in Web server and motion detection, the AXIS 2120 Network Camera is all you need to keep a visual track of events both at home, and in the office.

And of course – it is the perfect tool for any web attraction application! With no PC required for transmitting your images over the WAN/ LAN or the Internet – you're just a network plug away from live remote monitoring from any convenient desktop.

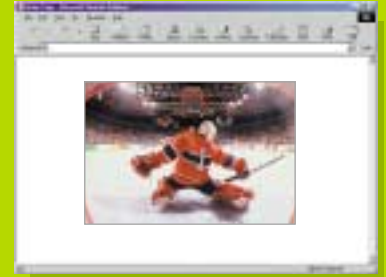
It's "Plug & Watch" technology from Axis.



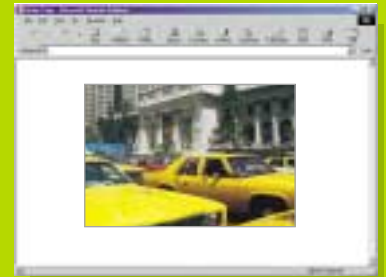
- "Plug & Watch"
— over any TCP/IP network
- Built in Web Server
- Built in motion detection
- Linux Operating System
- Video stream
— 25/30 frames/second
- DC iris included
— for outdoor light conditions



Watch the building grow!



Show the local hockey games on the web!



Keep track of traffic!



Get the tourists coming!



AXIS 2120

The all-in-one Network Camera

AXIS 2120
NETWORK
CAMERA

Overview

- Built-in web server and network interface, no PC needed for operation.
- Up to 30 (NTSC countries)/25 (PAL countries) frames/s.
- Contains a Linux based operating system for maximum reliability.
- Powerful video motion detection with multiple sensitivity windows.
- Quick and easy installation – connect to your network, assign an IP address or use the included null-modem cable for modem installation.
- Accepts dial-in and dial-out via external 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 – can be password/username protected or open to the entire world.
- Configurable maximum bandwidth limitation to prevent network saturation. 30 (25) frames/s typically requires about 1.5 Mbit/s.
- Flash memory for simple upgrades and storage of user designed html files.
- Based on proven AXIS ThinServer™ technology – more than one million units installed!



Camera specification

- Digital, 24-bit color.
- 1/3" Sony super HAD interlaced CCD.
- HxV: 768x494, (752x582).
- 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. About 1 to 5 000 Lux with fixed iris lens.



Hardware

- 16 Mbyte RAM (up to 8 Mbyte available for pre/post alarm image storage)
- 4 Mbyte FLASH (up to 2 MB available for user designed html files).
- ARTPEC-1 compression chip.
- ETRAX 100, 32 bit RISC, 100 MIPS CPU.

Image

- JPEG still images and Motion-JPEG video.
- Image frame rate: up to 30 (25) frames/s at 320x240 (352x288) resolution. Up to 12 (10) frames/s at 704x480 (704x576) resolution.

Compression & file size

- 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 small files while low compression maintains higher image quality at the expense of larger files. The table below contains average file size, derived from real life tests.

60 Hz NTSC Countries

Resolution	Compression level		
	Low	Medium	High
704x480	36 kb	22 kb	13 kb
352x240	8 kb	4 kb	3 kb

50 Hz PAL Countries

Resolution	Compression level		
	Low	Medium	High
704x576	52 kb	34 kb	20 kb
352x288	12 kb	8 kb	4 kb

Back

- External power supply connector 9-15V AC, min 10VA or 9-15V DC, min 8W.
- RS-232 port for modem connection or control of RS-232 devices.
- Input/Output connector to trigger the camera on external events, e.g. a door sensor with a solenoid.
- RJ45 twisted pair direct network connection for 100baseTX Fast and 10baseT Ethernet.
- DC-Iris lens connector.



Front

- DC-Iris vari-focal (zoom) lens 3.5–8.0mm eqv. to 25–55mm on a 35mm camera. Ideal for outdoor monitoring (in outdoor housing).
- Standard CS mount lens fitting.
- Control button for factory defaults.

System Requirements

- The AXIS 2120 uses the standard Internet TCP/IP suite of protocols and can be used with most operating systems: Windows 95, 98, 2000 and NT as well as Linux, Unix and Mac OS. The only software needed to view live images is Internet Explorer 4.x, 5.x or Netscape Navigator 3.x, 4.x. Network installation requires Windows 95, 98, 2000, NT, Unix or Linux computer.
- PC with Dial-up networking required for non-network installation (null modem cable included). External modem required for dial-up functionality (modem not included).

Operating Environment

- 40–122° F (5–50° C).
- 20–80° RHG, non-condensing.
- Requires proper outdoor housing for outdoor use.
- The DC-Iris lens must be properly configured in environments with strong light. Avoid aiming the camera directly into extremely bright objects like the sun, this may harm the CCD image sensor.

Supported Protocols

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

Metrics

- Height: 2,24", 57mm
- Width: 3,39", 86mm
- Length: 5,43"+1,78" (lens), 138mm+45mm (lens)

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

- DC-Iris variable focal length lens (3.5–8.0mm).
- Camera mini-tripod, using standard 1/4" nut.
- Null modem cable for modem installation.
- Power cord extension cable.
- Power supply: 12V AC, 9.6 VA.
- I/O connector.

More information

- For more information please visit www.axis.com.

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