AXIS 2110
Network Camera

Your virtual eye

The AXIS 2110 Network Camera is an affordable tool for high-quality imaging applications using the Web. The AXIS 2110 enables publishing of promotional live video over the Internet, broadcasting of live events, remote monitoring of the office, and much more. It connects as a standalone unit directly to a network, or modem, to generate images that can be viewed within a standard Web browser — from anywhere.

Unlike a simple Webcam, it includes a built-in Web server and plugs directly to a network, or modem –with no PC or additional software required. Complete with a quality lens, it can be used indoors, or installed into a weatherproof enclosure for outdoor usage.

- High-quality images — up to 15 frames/sec

- In- and outdoor use

- Built-in Web Server and network connection

- View live images from any network-connected PC

- Audio functionality available in combination with the AXIS 2191 Audio Module

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General

- Built-in Web Server and network interface. No PC needed for operation.
- Linux-based operating system.

Installation

- Quick and easy installation: Simply connect to your network and assign an IP-address.

Camera

- Digital, 24-bit color.

Image sensor
- 1/4 inch Sony progressive scan RGB CCD.
- HxV: 659x494.
- Resolution (pixels): 640x480

Exposure
- Backlight compensation.
- Automatic AGC.
- White Balance: Automatic and Preset: Fixed Indoor, Fixed Fluorescent, Fixed Outdoor, Hold.
- Exposure times: 1-1/30,000s.

Sensitivity
- Maximum Illumination: 200,000 Lux.
- Minimum Illumination: 1 Lux.

Lens
- Standard Tamron CS mount.
- 3.5-8mm lens.
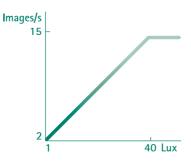- F 1.4 vari-focal zoom lens with manual iris (equivalent to 30-80 mm on a standard 35mm camera).

Image

- Image frame rate: up to 15 frames/sec.
- JPEG still images and Motion-JPEG video.
- High-speed hardware-based image compression, generating high quality JPEG images.
- 4 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 below shows average file sizes, derived from real life tests.

Resolution	Compression Level			
	Lowest	Low	Medium	High
640x480	250 Kb	20 Kb	13 Kb	8 Kb
320x240	70 Kb	8 Kb	5 Kb	3 Kb

- Bandwidth control prevents data saturation on the network.15 frames/sec. typically requires about 1.5 Mbit/sec.

Light Condition Adaptive Frame Rate

General I/O

- Accepts Dial-in and Dial-out access via external modem (modem not included).
- Event triggered remote image storage via e-mail and F TP.

System Requirements

- Compatible with operating systems such as Windows 98, Windows 2000, Windows XP, Windows NT, Windows ME, Linux, Mac OS and Mac OS X.
- Internet Explorer 4.x, 5.x, 6.x or Netscape Navigator 4.x.
- Non-network, i.e. modem installation requires Windows PC with Dial-up networking.

Supported Protocols

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

Security

- Password/username protection for restricted camera access.

Hardware

- ETRAX 100 LX, 32 bit RISC, 100 MIPS CPU for high performance.
- RAM: 8 MB.
- FLASH PROM: 2 MB.
- Hidden push-key for focus and factory defaults.

Firmware Updates

- Flash memory for simple upgrades.

Connections

- RJ 45 Twisted Pair cable, 10/100 MBit Ethernet network connection.
- Modem connection RS-232 modem connector for dial-up use. Supports most V90 modems.
- Input/Output connector to trigger the camera on external events.

Power Supply

- External power supply: 12V AC (included). Power consumption max 7W.

Operating Environment

- Requires proper environmental housing for outdoor use.
- Operating temperature: 40–105°F (5–40°C).
- Humidity: 20–80%RHG, non-condensing.
- The manual 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 / Weight

- Height: 1.6 in   (4.1 cm)
- Width: 4.0 in   (10.2 cm)
- Length: 6.9 in   (17.5 cm)
- Weight: 0.6 lb   (0.26 kg)
             excl. power supply and tripod

Approvals

- EMC :   FCC Class A, Part 15 subpart B
- CE :   EN 55022 Class B, EN55024
- Safety: EN 60950, UL, CSA

Accessories Included

- Null modem cable.
- Power supply: 12V AC, 9.6 VA.
- Power cord extension cable.
- I/O connectors.
- Rugged metal tripod.

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

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