

# AXIS 2130/2130R PTZ Network Camera

*Pan, Tilt and Zoom live video  
over your network*

The AXIS 2130 PTZ Network Camera is an all-in-one Pan/Tilt/Zoom solution for networks. With its sharp and responsive Pan/Tilt movement, Auto Focus control, and powerful optical zoom, it can be quickly orientated to focus on any detail. View the video image in a standard Web browser – and with a single click adjust the direction, focus and zoom of the camera. It's that easy!

Offering pre/post alarm and preset positioning within a compact design, the AXIS 2130 PTZ Network Camera is ideal for monitoring large areas from multiple angles. Perfect for remotely monitoring people and property in buildings, offices, warehouses, chain stores and retail outlets.



- PTZ control from your browser
- 16 x Optical zoom
- Up to 30 frames/second
- Built-in Web Server
- Desk and ceiling-mounted versions available

**AXIS**<sup>®</sup>  
COMMUNICATIONS  
Make your network smarter

# AXIS 2130 PTZ Network Camera

## General

- Built in PTZ with 16x high quality optical zoom
- Built-in Web Server and network interface. No PC needed for operation
- 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

## Installation

- Quick and easy installation - simply connect to your network and assign an IP address

## Management

- Remote configuration and status using Web-based tools

## 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

- 1/4 inch Sony ExView HAD interlaced CCD
- HxV: 768x494
- Resolution (pixels): 704x480

### Exposure

- Backlight Compensation
- Automatic Gain Control (AGC)
- Automatic White Balance (AWB)

### Sensitivity

- Illumination range: min 2 lux

## Image

- High-speed hardware-based image compression supports high quality JPEG still images and Motion-JPEG video in full color
- Image frame rate:  
Up to 30 frames/sec. at 352x240 resolution  
Up to 10 frames/sec. at 704x480 resolution

AXIS 2130		
Resolution	File size (kb)	Max fps
704 x 480	7-150	10
352 x 240	1.4-40	30
176 x 112	0.3-10	30

AXIS 2130: Desk-mounted version  
AXIS 2130R: Ceiling-mounted version

- 5 levels of compression are available. The file size of a JPEG compressed image depends on the actual content of the image
- Variable bandwidth control prevents data saturation on the network. 30 frames/second typically requires about 1,5 Mbps
- Images containing a lot of detail will generate larger files. Image quality is controlled by 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.

## Hardware

- ARTPEC-1 compression chip
- ETRAX 100 LX, 32 bit RISC, 100 MIPS CPU
- 16 Mbyte RAM
- 4 Mbytes FLASH memory

## Connections

- RJ45 twisted pair direct network connection for 100baseTX Fast and 10baseT Ethernet
- Input/Output connector to trigger the camera and control external devices
- Event triggered remote image storage via e-mail and FTP
- External power supply connector 13 V DC, 25 W

## Compression

- Motion-JPEG, as well as single snapshot JPEG images. User controlled compression level

## Video Features

- Time stamp and text overlay. Color control (B/W or color)

## Networking

- 10baseT Ethernet or 100baseTX Fast Ethernet, TCP/IP, HTTP, FTP, SMTP, NTP, ARP, DHCP, BOOTP

## General I/O

- External Device I/O: 1 input/1 output
- Event-triggered actions for remote image storage via File Transfer Protocol (FTP) or e-mail (SMTP), pre/post alarm image storage

## Pre/post Alarm Buffer

- Up to 4 MB memory available for pre/post alarm image storage

## Pan/Tilt/Zoom

- Optical zoom: 16x
- Pan angle range: AXIS 2130: 200°,  
AXIS 2130R: 340°
- Tilt angle range: AXIS 2130: 60°,  
AXIS 2130R: 100°
- 40 preset positions
- Home Position Function



## Power

- Power supply: 13V DC, power consumption max 25W

## Complementary Software

- AXIS IP Utility - a software to assign static IP addresses, free download from [www.axis.com](http://www.axis.com)
- ActiveX components available for third party system integration and development

## Customer Applications

- User-defined applications easily configured
- Embedded scripting support

## Operating Environment

- Requires proper environmental housing for outdoor use
- Temp: 5 - 40 °C (41 - 104 °F)
- Humidity: 20-80% RH non-condensing

## Dimensions and Weight

- Height: 4.4" (11.2 cm) AXIS 2130/2130R
- Width: 4.2" (10.7 cm) AXIS 2130  
5.4" (13.7 cm) AXIS 2130R
- Depth: 5.6" (14.3 cm) AXIS 2130/2130R
- Weight: 1.4 lb (0.64 kg) AXIS 2130  
1.6 lb (0.73 kg) AXIS 2130R

## Approvals

- EMC: FCC Class B (DoC), VCCI ClassB, AS/NZS3548 ClassB (C-tick) EN55022/1994, EN50024/1998 EN61000-3-2/1998, EN61000-3-3/1995
- Safety: EN 60950, UL, CSA, 電器標準 (JAPAN), AS, SISIR, GS, FIMKO (AC Adapter)

## Included Accessories

- Power supply: 13V DC, 25 W
- I/O connector

## Available Accessories (not included)

- AXIS Camera Explorer - a software that provides 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
- AXIS 2130R Wall Bracket - mount the AXIS 2130R on any wall or other vertical surface.



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