



# AXIS Panorama PTZ Network Camera

*Pan, tilt and zoom in a live  
panorama over your network*

Comprising of two network cameras, strategically positioned together at a fixed preset angle, this kit is all that is needed for the panoramic surveillance of entire retail stores, banks, transport areas, offices, or any other critical areas where good remote video monitoring is essential.

Offering a fixed, panoramic field of view, the AXIS Panorama PTZ kit provides a Web interface that allows you to remotely pan, tilt, or zoom in, live, within any area of the panoramic image. Using a standard Web browser, multiple users can independently view different parts of the panorama, simultaneously. And, because the AXIS Panorama always streams video in an un-rendered format, users can always view the recorded images of something they were not previously looking at in real time. So, if you do happen to miss a live incident... you can always look at it later. Now, you needn't miss anything!



- An out-of-the-box, ready-to-use PTZ video solution
- Plugs directly to IP networks
- Delivers live streaming video at up to 15 frames/second per camera
- Renders two live video streams into a simulated panoramic image
- Delivers un-rendered video evidence in standard JPEG format
- Support for continuous or alarm/event based recording



## General

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

## Installation

- Quick and easy installation: Intuitive Panorama setup. Simply connect to your network and assign an IP-addresses to each camera

## Camera (two cameras in kit)

- 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 CS mount
- Manual iris
- 2.3mm F1.4

## Image

- Image frame rate: up to 15 frames/sec
- 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

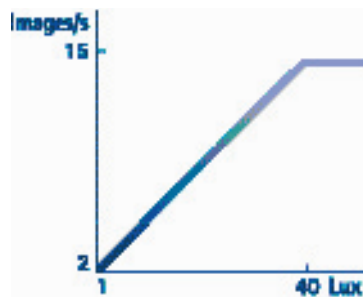


- JPEG still images and Motion-JPEG video
- High-speed hardware-based image compression, generating high quality JPEG images
- Bandwidth control prevents data saturation on the network. 15 frames/sec. typically requires about 1.5 Mbit/sec

## Panorama Functions

- 140° horizontal view
- 65° vertical view
- Zoom range from x0.24 to x4
- 16 presets
- Snapshot functionality

## Light Condition Adaptive Frame Rate



## General I/O

- Event triggered remote image storage via e-mail and FTP

## 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

## Supported Protocols

- TCP/IP, HTTP, FTP, SMTP, ARP, BOOTP, 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
- 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: 3.3 in (8.4 cm)
- Width: 9.2 in (23.5 cm)
- Length: 2.4 in (16.8 cm)
- Weight: 1.2 lb (0.52 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

- Power supply: 12V AC, 9.6 VA
- Power cord extension cable
- I/O connectors
- Rugged metal tripod with mounting bracket

For more information visit our website: [www.axis.com](http://www.axis.com)