

# AXIS 213 PTZ Network Camera

*Pan, tilt and zoom live video directly over your network*

The AXIS 213 PTZ Network Camera enables advanced remote monitoring with pan, tilt and zoom control over IP networks. It features a powerful 26x optical zoom, auto focus lens and an IR mode for nighttime conditions.

The AXIS 213 PTZ delivers superior quality Motion JPEG and MPEG-4\* video streams simultaneously. The camera provides 20 preset positions and 1 preset sequence (auto patrol) to monitor specific areas. It also offers pre- and post-alarm image buffering, and advanced event management features.

The optional AXIS 213CM Connection Module provides functionalities such as two-way audio, in addition to two alarm inputs and three relay outputs.

The AXIS 213 PTZ connects directly to an IP network, and with a built-in Web server, enables remote monitoring and control from any PC connected to the local area network or the Internet. The AXIS 213 PTZ is ideal for monitoring people and property, and for remote learning and troubleshooting. A protective dome housing is available for indoor and outdoor applications.



- Pan/tilt/zoom network camera with built-in 26x optical zoom and auto focus
- Operates under all light conditions, indoors as well as outdoors
- Superior image quality in simultaneous Motion JPEG and MPEG-4 video streams\*
- Resolutions up to 768x576 at up to 25 fps (PAL) or 704x480 at 30 fps (NTSC)
- Optional AXIS 213CM Connection Module for two-way audio and alarm inputs/outputs



\*MPEG-4 available as a free software upgrade in Q1 2005



## General

- Network camera with built-in pan/tilt/zoom functionality
- Built-in Web server
- Supports simultaneous streams of Motion JPEG and MPEG-4\*
- Supports both desktop and ceiling mounting

## Functions

- Low light functionality using built-in IR lighting
- 20 preset positions and 1 sequence
- PTZ control queue
- Support for 20 simultaneous direct viewers. Unlimited number of viewers using MPEG-4\* and multicast, or via a relaying server
- UPnP support
- Advanced event management including up to 6 MB of pre- and post buffers for images
- Pan angle range: 340 degrees
- Tilt angle range: 100 degrees

## Additional features when using Connection Module

- Support for full duplex audio
- Possibility to connect external devices
- Analog video output\*\*\*\* (PAL or NTSC)

## System Requirements

AXIS 213 can be used with most standard operating systems and browsers. The recommended browser is Internet Explorer with Windows and Mozilla with other operating systems.

- Operating Systems: Windows 95\*\*, 98, NT4, 2000 and XP, Linux\*\*, Unix\*\*, Mac OS\*\*, Mac OS X\*\*
- Browsers: Internet Explorer 5.x and higher, Mozilla\*\*, Opera\*\*

## Hardware & System

- 1/4" Interlaced CCD
- Motorized zoom lens 3.5 - 91 mm, F1.6 - F4.0, horizontal viewing angle: 42 - 1.7°
- Auto focus, 26x optical and 12x digital zoom
- AXIS ETRAX 100LX 32-bit RISC CPU
- AXIS ARTPEC-2 video compression chip + 8 MB RAM
- Linux 2.4 kernel
- 32 MB RAM
- 4 MB Flash



## Connections

### Camera

- Network: 10BaseT/100BaseTX Ethernet networks (RJ-45)
- Power: 13 V DC/1.8 A (max)- external power supply, included
- Bus: 26-pin multi-connector (to Connection Module)

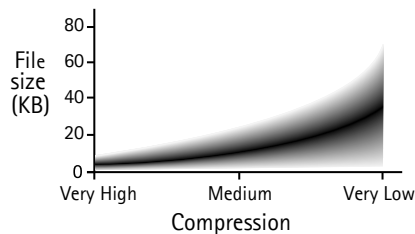
### Connection Module (available accessory)

- Bus: 26-pin multi-connector (to camera)
- Audio: Line in (3.5 mm jack) and Line out (3.5 mm jack)
- I/O: 2 alarm inputs + 3 relay outputs (connector block)
- Video: Analog composite video output\*\*\*\* (BNC)

### Video

- Color and black/white mode
- Video compression: Motion JPEG and MPEG-4\*
- Operates down to 1 lux in normal mode and in complete darkness using built-in IR lighting\*\*\*
- Frame rate: Up to 30/25 frames per second (NTSC/PAL)
- Supports 10 different resolutions including 4CIF, 2CIF, CIF and QCIF
- Max resolution: 768 x 576 (PAL) or 704x480 (NTSC)
- Configurable backlight compensation, exposure, white balance, etc
- 5 video compression levels

The file size of a JPEG image depends on factors such as selected resolution, compression level and the actual content of the image



### Security

- Multiple user access levels with password protection
- IP address filtering

### Firmware updates

- Flash memory allows firmware updates over the network using HTTP or FTP over TCP/IP. Firmware upgrades are available from [www.axis.com](http://www.axis.com)

## Custom Applications

Designed for system integration and custom application development by providing:

- AXIS HTTP API
- AXIS Media Control SDK
- Embedded scripting support
- Customized HTML pages

## Operating Conditions

- Temp: 5 - 40 C (41 - 104 °F)
- Humidity: 20 - 80% RHG

## Dimensions and Weight

- Height: 130 mm (5.12")
- Width: 104 mm (4.09")
- Depth: 130 mm (5.12")
- Weight: 700 g (1.55 lb) (excl. power supply)

## Approvals

- EMC:
  - CE Compliant according to: EN55022/1998 Class B, EN55024/1998 A1:2001, EN61000-3-2:2000, EN61000-3-3:1995 A1:2001
  - FCC Part 15, Subpart B, Class B
  - Canada ICES-003 Class B
  - VCCI Class B
  - C-tick AS/NZS 3548
- Safety:
  - EN 60950, UL, CSA, PS<E>, AS, SISIR, GS, FIMKO (AC Adapter)

## Included Accessories

- Power supply
- Ceiling mount
- Rubber feet kit for desktop use
- Quick Installation Guide
- CD-ROM with software and User's Manual
- One encoding and one decoding MPEG-4 license\*

## Available Accessories (not included)

- AXIS 213 Connection Module - provides duplex audio, I/O and analog video output\*\*\*\*
- IP65-rated Dome Housing for installation of the camera in outdoor or adverse, indoor environments
- AXIS 292 Network Video Decoder (view only, no PTZ control)
- AXIS Camera Explorer - basic software for viewing and manual recording of multiple cameras
- AXIS Camera Recorder - viewing and event based recording of up to 16 cameras. Search tools and motion detection alarm
- AXIS Camera Station - software for recording and management of up to 25 cameras. Advanced search tools. Remote client included
- 10 pack AXIS MPEG-4 user license\*

\* MPEG-4 is available as a free software upgrade Q1 2005

\*\* Limited functionality

\*\*\* At distances up to 3 m (9.8 ft)

\*\*\*\* Available for ceiling mount only

[www.axis.com](http://www.axis.com)