

# AXIS 230 MPEG-2 Network Camera

*Live, full resolution MPEG-2 video  
over your network*

The AXIS 230 MPEG-2 Network Camera is a high quality video camera that delivers 25/30 frames per second of DVD-quality video with synchronized audio over an IP network. It uses less bandwidth compared to equal Motion JPEG video, and provides the user with controllable constant bit rate. This makes it ideal for high-end security usage, such as traffic monitoring, casinos and airports, where high quality full frame rate video and quality audio are of vital importance.

This IR sensitive camera is based around a color camera block with built-in 18x optical zoom lens, day/night functionality (color image during daytime, black and white image during night time) and audio from camera to viewer.

It compresses video and audio into standard MPEG-2 and makes this available over the network supporting both uni- and multicast. For customers requiring Pan/Tilt control, it is also equipped with built-in support for RS232/485 and comes complete with support for a selected range of Pan/Tilt heads.



- High performing IR-sensitive day/night camera with 18x optical zoom lens
- Audio functionality and built-in microphone
- Built-in Web server
- Four different resolutions and 7 different quality modes
- 25/30 frames per second
- Multicast support over LAN



# AXIS 230 MPEG-2 Network Camera



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## General

- DVD-quality video and synchronized audio over LAN using MPEG-2 compression
- Unlimited number of viewers using Multicast
- Automatic Day/Night functionality

## System Requirements

The following specification applies to the use of browser based viewing.

### Hardware

#### CPU:

- Pentium III 1GHz or higher, AMD Athlon

#### RAM:

- 256MB

#### VGA card:

- AGP-card with 32/64MB memory and support for DirectDraw

#### Sound card:

- PCI-based

### Software

#### Operating System:

- Windows 2000 or Windows XP

#### Software:

- Internet Explorer 5.5 or higher
- DirectX 9 or higher

## Hardware & System

- Sony ExView 1/4" CCD day/night camera module, IR-sensitive
- Motorized zoom lens 4.1 – 73.8 mm, F1.4 – 3.0
- Horizontal viewing angle: 48 – 2.8 degrees, 37mm thread on front allow use of standard filters and wide converters
- Auto Focus, 18x optical + 12x digital zoom
- AXIS ETRAX 100LX 32-bit RISC CPU
- MPEG-2 based compression chip
- Linux 2.4 kernel
- 32 MB RAM and 4 MB Flash
- Electronic shutter 1 – 1/10.000 sec
- White balance: ATW/AWB/Manual/Indoor/Outdoor

## Connections

- Network: 10Base-T/100Base-TX Ethernet networks (RJ-45)
- Serial communication: RS-232 (DB-9) and RS-485 (terminal block)
- I/O: 2 alarm inputs + 1 output (terminal block)
- Video: Analog composite video output (BNC)
- Audio: Mic/Line stereo input (3.5mm jack)
- Power: 9 VDC / 9 W – external power supply, included

## Video & Audio

- Color and black/white
- Minimum illumination:
  - Color: 0.3 lux @ F1.4 (30 IRE)
  - B/W: 0.005 lux @ F1.4 (30 IRE)
- Frame rate 25/30 frames per second (PAL/NTSC)
- Image compression: MPEG-2 (main profile, main level)
- Support four resolutions: (PAL/NTSC)
  - 4CIF: 720 x 576 / 720 x 480
  - 2CIF: 720 x 288 / 720 x 240
  - CIF: 352 x 288 / 352 x 240
  - QCIF: 160 x 144 / 160 x 112
- 7 video quality levels and 6 audio quality levels

## Security

- User level password protection for restricted camera access.

## Functions

- Audio support through external or built-in microphone
- Text, time/date overlay
- Event functionality with alarm notification via e-mail, FTP, TCP or HTTP
- Audio Detection Alarm, triggers an event when a defined audio level is reached
- Support for selected range of Pan/Tilt heads

## Firmware Updates

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

## Customer Applications

- Application Integration Interfaces
  - AXIS HTTP API
  - AXIS Media Control Development Tool

## Operating Conditions

- Temp: 5 – 50 °C (41 – 122 °F)
- Humidity: 20 – 80% RHG

## Dimensions and Weight

- Height: 80 mm (3.15 in.)
- Width: 75 mm (2.95 in.)
- Depth: 171 mm (6.73 in.)
- Weight: 752 g (1,65 lb.) (camera only)

## Approvals

- EMC:
  - CE Compliant according to: EN55022/1998 Class B, EN55024/1998, EN61000-3-2, EN61000-3-3, EN61000-6-2
  - FCC Part 15 subpart B
  - VCCI
  - C-tick AS/NZS 3548
- Safety: EN60950, CSA

## Included Accessories

- Power supply
- Mounting bracket
- Connector kit
- User manual
- One encoding and three decoding MPEG-2 licenses

## Available Accessories (not included)

- AXIS MPEG-2 Server 10 user license pack, provides 10 additional MPEG-2 decoding licenses
- Axis IR Illuminators – get good quality images around the clock, in low-light situations (and in complete darkness) without attracting attention

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

