

AXIS 206/206M/206W Network Cameras

*The smallest network cameras
in the world*

The AXIS 206 series of indoor network cameras offers a cost-effective solution for remote monitoring and surveillance over a local area network or the Internet. The network cameras are ideal for use in small and mid-sized businesses and homes.

Small enough to fit in the palm of your hand, the AXIS 206 series delivers high quality Motion JPEG images using progressive scan CMOS image sensors and advanced signal processing techniques. Available in standard, as well as megapixel and wireless versions, the AXIS 206 series is easy to set up and use. The network cameras provide a multilingual product interface. They come with the free AXIS Internet Dynamic DNS Service for easy installation, as well as the AXIS Camera Explorer application software for easy viewing, management and recording.

AXIS 206

The Ethernet-based AXIS 206 Network Camera provides high quality images at up to 30 frames per second in all resolutions up to VGA 640x480 pixels. It can operate in light conditions as low as 4 lux.

AXIS 206M

The AXIS 206M Megapixel Network Camera features high resolution images of up to 1280x1024 pixels at 12 frames per second. The AXIS 206M supports HDTV widescreen format (16:9). Going beyond regular TV resolution, it provides significant advantages over traditional analog CCTV security cameras.

AXIS 206W

The AXIS 206W Wireless Network Camera features built-in Wi-Fi compliant 802.11b wireless connection, giving you the freedom to place the camera where it's needed, instead of where the network outlet is. Apart from the wireless feature, the AXIS 206W has the same technical specifications as the AXIS 206.



- Network cameras with built-in Web server for remote monitoring and surveillance
- AXIS 206W – with built-in 802.11b wireless connection
- AXIS 206M – with 1.3 megapixel resolution
- Application software for managing and recording video included
- Multilingual support

System Requirements

The following specification applies to browser based viewing. When using an application software, please refer to specifications provided with the software.

Operating systems:

Windows (XP, 2000, NT4.0, ME), Linux, Mac OS X

Web browsers:

Windows - Internet Explorer 5.x or later

For other operating systems and browsers see www.axis.com/techsup

Hardware:

Meeting the specifications for selected operating system and browser

AXIS 206W requires an 802.11b Wireless Access Point

Hardware & System

- 32-bit RISC CPU
- Motion JPEG compression chip
- Linux 2.4 kernel
- 16 MB RAM
- 4 MB Flash
- Lens:
 - *AXIS 206M*: 10 mm, F 2.8, fixed iris
 - *AXIS 206, AXIS 206W*: 4 mm, F 2.0, fixed iris
- Field of view
 - *AXIS 206M*: 45°
 - *AXIS 206, AXIS 206W*: 55°

Connections

Network

- *AXIS 206, AXIS 206M*: 10BaseT/100BaseTX Ethernet networks (RJ-45)
- *AXIS 206W*: Wireless 802.11b Wi-Fi compliant (Infrastructure Mode), USB cable for setup in secure network (not applicable for Windows NT4)

Power

- 5.0-5.5 VDC / min 400mA - external power supply included

Security

- Multi user level password protection to restrict camera access
- *AXIS 206W*: Supports WEP encryption of 64 or 128 bits. Support for WPA-PSK (WiFi Protected Access)

Functions

- Built-in Web server, does not require any additional hardware or software to operate
- Supports time synchronization with a NTP server (Network Time Protocol)
- UPnP, NAT Traversal
- Text, date and time overlay
- Support for up to 10 simultaneous users
- Free AXIS Internet Dynamic DNS Service (One-Click installation)
- Ability to view and save snapshots
- Rotate image 180°

Video

- Color & Black/White
- Illumination:
 - *AXIS 206M*: 10-10 000 lux
 - *AXIS 206, AXIS 206W*: 4-10 000 lux
- Image sensor:
 - *AXIS 206M*: 1.3 Mpixel 1/2" progressive scan CMOS image sensor
 - *AXIS 206, AXIS 206W*: 300 Kpixel 1/4" progressive scan CMOS image sensor
- Image frame rate:
 - *AXIS 206M*: Up to 12 frames per second for all resolutions
 - *AXIS 206, AXIS 206W*: Up to 30 frames per second for all resolutions
- Image compression: Motion JPEG and individual JPEG
- Resolution range:
 - *AXIS 206M*: 1280x1024, 1280x960, 1280x720, 640x480, 640x360, 320x240
 - *AXIS 206, AXIS 206W*: 640x480, 320x240, 160x120
- Various levels of compression and settings
- Network bandwidth usage limitation control

Resolution*	JPEG compression level			
	Low	Medium	High	Very high
1280x1024	130	66	44	34
1280x960	117	60	36	30
1280x720	93	47	28	24
640x480	55	35	20	16
320x240	18	12	8	5

*Available resolutions depends on model.

The file size of a JPEG image depends on factors such as selected resolution, compression level and the actual content of the image. The above chart contains typical image file sizes in kilobytes captured during normal daytime indoor office lighting levels.

Customer Applications

- Compliance with the AXIS HTTP API for application developers and system integrators

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

Operating Conditions

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

Dimensions and Weight

- Height:
 - *AXIS 206, AXIS 206M*: 85 mm (3 1/8")
 - *AXIS 206W*: 100 mm (4")
- Width: 55 mm (2 3/16")
- Depth: 34 mm (1 1/8")
- Weight: 177 g (6 1/4 oz) incl. adjustable stand

Approvals

- EMC:
 - FCC Class A, B
 - EN55022:1998 Class B
 - EN61000-3-2:2000
 - EN61000-3-3:1995
 - EN55024:1998
 - VCCI Class B
 - AS/NZS 3548
- Safety:
 - EN60950
 - UL and CSA (Power supply)

Included Accessories

- Adjustable stand
- Power supply (AXIS PS-H)
- USB cable for setup (AXIS 206W only)
- AXIS Camera Explorer - basic software for viewing and manual recording of multiple cameras

Available Accessories (not included)

- AXIS Camera Recorder - viewing and event-based recording of up to 16 cameras. Search tools and motion detection alarm included
- AXIS Camera Station - software for recording and management of up to 25 cameras. Advanced search tools, motion detection alarm and remote client included
- Wide range of application software from Axis' Application Development Partners. See www.axis.com/partner/adp_partners.htm

Product Selection Guide

Model	Connection	Max resolution	Max frame rate	Light sensitivity range
AXIS 206 Network Camera	Ethernet 10/100	640x480 pixels	30 fps	4-10 000 lux
AXIS 206M Megapixel Network Camera	Ethernet 10/100	1280x1024 pixels	12 fps	10-10 000 lux
AXIS 206W Wireless Network Camera	802.11b Wi-Fi	640x480 pixels	30 fps	4-10 000 lux

www.axis.com