

AXIS 211 Network Camera

Superior video quality for professional indoor and outdoor applications

From the leader in network video, the AXIS 211 is a professional-level network camera, suitable for indoor and outdoor security surveillance and remote monitoring applications. Backed by the industry's largest software application base, it is an ideal choice for securing offices, shops and other facilities over the local area network or across the Internet.

Connecting directly to IP networks via Ethernet, the built-in Web server, open application interface and sophisticated networking functions based on industry standards greatly simplify installation and systems integration. This network camera is ideal for video viewing, recording and management.

Designed to provide the best image quality in its class, AXIS 211 uses a progressive scan CCD sensor and powerful real-time image processing hardware to guarantee full frame rate, even at VGA resolution. Furthermore, its unique combination of simultaneous Motion JPEG and advanced MPEG-4 streams allows systems to be optimized for image quality and bandwidth-efficiency. More functions include video scaling, video motion detection, pre and post alarm buffers, notification, privacy masking and support for external I/O, such as sensors and relays.



- Superior image quality using progressive scan CCD and Varifocal DC-Iris lens
- Full-featured network camera with Power over Ethernet (IEEE 802.3af)
- Simultaneous Motion JPEG and MPEG-4 streams optimized for quality and bandwidth
- 30 frames per second up to VGA 640 x 480 resolution
- Built-in Video Motion Detection with pre- and post-alarm buffers



General

- Simultaneous Motion JPEG or MPEG-4 based network camera with built-in web server
- Superior quality CCD image sensor with progressive scan

System Requirements

The following specifications apply to the use of browser-based viewing. When using an application software, please refer to the specifications provided with the software.

- Supported operating systems:
Windows (XP, 2000, NT4.0, ME, 98), Linux and Mac OS X
- Supported web browsers:
Windows - Internet Explorer 5.x or later and Mozilla 1.4* or later
Linux - Mozilla 1.4* or later
Mac OS X - Mozilla 1.4* or later and Netscape 7.1* or later
- Hardware:
Meeting the specification for selected operating system and browser

* Limitations in functionality

Hardware and System

- AXIS ETRAX 100LX 32bit RISC CPU
- 16 MB RAM, 4 MB Flash
- AXIS ARTPEC-2 video compression chip with 8 MB RAM
- Linux 2.4 kernel
- Watchdog functionality

Connections

- Network: 10BaseT/100BaseTX Ethernet networks (RJ-45)
- I/O: 1 alarm input and 1 output (terminal block)
- Power: 9 VDC / 9 W - external power supply included
- Alternative input voltage 7-20V DC, min 4W
- Power supplied via Power over Ethernet (IEEE 802.3af) or via included external power supply

Video

- Lens: F 1.0 Varifocal (3.0 - 8.0 mm) automatic DC-Iris
- Focus range: 0.5 mm to infinity
- Sony Super HAD progressive scan CCD 1/4" RGB, 300 K pixels
- Color & Black/White
- Frame rate: Up to 30 frames per second in all resolutions
- Video compression: Motion JPEG and MPEG-4 (Part 2, Advanced Simple Profile at level 5)
- Supports various resolutions and video quality settings
- Max resolution: 640 x 480 VGA in 30 frames per second
- Illumination: 0.75 - 500 000 Lux
- Rotation: 90, 180, 270 degrees

The file size of a JPEG image depends on resolution, compression level and image content. Below is a table with average file size in KByte, derived from real life tests

| Resolution | JPEG compression level | | | |
|------------|------------------------|--------|------|-----------|
| | Low | Medium | High | Very high |
| 640x480 | 55 | 35 | 20 | 16 |
| 320x240 | 18 | 12 | 8 | 5 |
| 160x120 | 8 | 5 | 3 | 3 |

Security

- Multi user level password protection for restricted camera access
- Strong security package with IP address filtering

Functions

- Built-in Video Motion Detection
- Scheduled and triggered event functionality with alarm notification via e-mail, TCP, HTTP and upload of images via e-mail, FTP & HTTP
- Pre and post alarm buffer of up to 20 seconds of 320x240 resolution video at 4 frames per second
- A mask, custom logo or overlay may be inserted in the video stream
- Flash memory provide ability to upload embedded applications
- Up to 20 simultaneous users
- UPnP
- AXIS Dynamic DNS service

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

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: 5-45 °C (41-113 °F)
- Humidity: 20-80% RHG

Dimensions and Weight

- Height: 38 mm (1½")
- Width: 95 mm (3¾")
- Depth: 172 mm (6¹⁵/₁₆")
- Weight: 345 g (12³/₁₆ oz) (excl. power supply)

Approvals

- EMC:
 - CE Compliant according to: EN55024:1998 + A1, EN55022:1998 + A1 Class B, EN61000-3-2:2000, EN61000-3-3:1995 + A1
 - FCC Part 15, subpart B, demonstrated by compliance with EN55022:1998 Class B
 - VCCI:2002 Class B ITE
 - C-tick AS/NZS 3548
- Safety: EN60950, UL, CSA

Included Accessories

- Power supply
- Stand
- Connector kit
- CD-ROM with application software and User's Manual

Available Accessories (not incl.)

- AXIS Camera Station
- AXIS Camera Recorder - a professional way to monitor and record from up to 16 cameras. Review and export recorded material without interrupting an ongoing recording
- Can be installed outside with the purchase of 290 A/B Outdoor Housing
- More software applications available via partners: www.axis.com/adp_cd

www.axis.com