AXIS 210
Network Camera

Superior video quality for professional indoor applications

From the leader in video networking, the AXIS 210 is a professional-level network camera, suitable for indoor security surveillance and remote monitoring applications. Backed by the industry's largest 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 210 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 Motion-JPEG and advanced MPEG-4 video compression modes 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 sensor and advanced video processing

- Simultaneous Motion JPEG and MPEG-4 streams optimize for quality and bandwidth

- Up to 30 frames per second in VGA 640 x 480 resolution

- Built-in Video Motion Detection with pre and post alarm buffers

- Capability to insert mask, custom logo or overlay image in the video stream

AXIS COMMUNICATIONS

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23871/EN/R3/0502

Specifications

Image Sensor	1/4" Sony Wfine progressive scan RGB CCD	Video access from Web browser	Camera live view, sequence tour capability for up to 20 Axis cameras, customizable HTML pages
Lens	CS mount, 4 mm glass lens, F2.0	Minimum Web browsing requirements	Pentium III CPU 500 MHz or higher, or equivalent AMD 128 MB RAM
Minimum illumination	3 - 10 000 lux		AGP graphic card, Direct Draw, 32 MB RAM
Video compression	Motion JPEG MPEG-4 Part 2 (ISO/IEC 14496-2), Profiles: ASP and SP		Windows XP, 2000, NT4.0*, ME* or 98*, DirectX 9.0 or later Internet Explorer 5.x or later For other operating systems and browsers see www.axis.com/techsup
Resolutions	16 resolutions from 640 x 480 to 160 x 120 via API, 5 selections via configuration web page		*Motion JPEG only*
Frame rate	Up to 30 frames per second in all resolutions	System integration support	Powerful API for software integration available at www.axis.com, event trigger data in video stream, AXIS Media Control SDK, embedded scripting support, embedded operating system: Linux 2.4
Video streaming	Simultaneous Motion JPEG and MPEG-4 Controllable frame rate and bandwidth Constant and variable bit rate (MPEG-4)		
Image settings	Compression levels: 11 (Motion JPEG) / 23 (MPEG-4) Rotation: 90°, 180°, 270° Configurable brightness, contrast, exposure, white balance, fine tuning of behavior at low light Overlay capabilities: time, date, text, privacy mask, custom logo or image	Supported protocols	HTTP, TCP, RTSP, RTP, UDP, IGMP, RTCP, SMTP, FTP, DHCP, UPnP, ARP, DNS, DynDNS, SOCKS. More information on protocol usage available at www.axis.com
		Applications (not incl.)	AXIS Camera Station - Surveillance application for viewing, recording and archiving up to 25 cameras AXIS Camera Recorder - Surveillance application for viewing and recording up to 16 cameras AXIS Camera Explorer – Basic software for viewing and manual recording See www.axis.com/partner/adp_partners.htm for more software applications via partners
Shutter time	2 sec to 1/12 500 sec		
Security	Multiple user access levels with password protection IP address filtering		
Users	20 simultaneous users Unlimited users using multicast (MPEG-4)		
Alarm and event management	Built-in multi-window motion detection, external I/O, triggered and scheduled events with several notification options, 1.2 MB pre- and post alarm buffer (approx. 40 sec of 320 x 240 video at 4 frames per sec)	Included Accessories	Power supply 9 V DC, stand, connector kit, Installation Guide, CD with installation tool, software and User's Manual, MPEG-4 licenses (1 encoder, 1 decoder), MPEG-4 decoder (Windows)
Connectors	Ethernet 10BaseT/100BaseTX, RJ-45 Terminal block for I/O (1 alarm input, 1 output) and alternative power supply	Accessories (not incl.)	Housings for installation outdoors or in adverse indoor environments AXIS 292 Network Video Decoder AXIS MPEG-4 Decoder 10 user license pack
Processors and memory	CPU: ETRAX 100LX 32bit Video processing and compression: ARTPEC-2 RAM: 16 MB Flash: 4 MB	Approvals	EMC: EN55024:1998 + A1 + A2, EN55022: 1998 + A1 Class B, EN61000-3-2:2000, EN61000-3-3:1995 + A1, FCC Part 15 Subpart B Class B by compliance with EN55022:1998 Class B, VCCI:2003 Class B ITE, C-tick AS/NZS 3548, Canadian ICES-003 B by compliance with EN55022:1998 Class B Safety: EN60950, UL, CSA
Watchdog	Watchdog with automatic unit or process reboot Can be monitored by other systems via digital output		
Power	9 V DC / 9 W - external power supply, included Alternative iput voltage 7-20 V DC, min 4 W		
Operating conditions	5 - 45 °C (41 – 113 °F), Humidity 20 - 80% RH (non condensing)	Dimensions (HxWxD) and weight	38 x 88 x 146 mm (1½" x 3⁷/₁₆" x 5³/₄") 305 g (10³/₄ oz) (excl. power supply)
Installation, management and maintenance	Installation tool on CD and web-based configuration Support for configuration backup and restore Support for firmware upgrades over HTTP or FTP, firmware available at www.axis.com		

Interlaced, 20 ms difference between odd and even lines

Progressive Scan, all lines are captured at the same time

Progressive scan is used instead of the interlaced method found in analog CCTV (PAL/NTSC) cameras. With progressive scan all pixels (lines) are captured at the same time, enabling moving images to be presented without distortion.

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C O M M U N I C A T I O N S

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