AXIS 210A/211A
Network Cameras

Superior video quality for professional indoor and outdoor applications

AXIS 210A and AXIS 211A, professional network cameras from the market leader in network video, are ideal for surveillance and remote monitoring. Supported by the industry's largest base of software applications, they provide the perfect solution for securing offices, shops, schools and other facilities over the local area network or across the Internet. The cameras, with their integrated audio support, enable remote users to not only view, but also listen in on an area and communicate orders or requests to visitors or intruders via two-way audio communication.

The support for Power over Ethernet, enabling power to the cameras to be delivered via the network, reduces cabling requirements and installation costs, and consolidates power for higher reliability. Connecting directly to IP networks, the built-in Web server, open application interface and sophisticated networking functions based on open industry standards greatly simplify systems integration.

The cameras provide superior image quality, giving full frame rate even at VGA resolution, thanks to the progressive scan CCD sensor and powerful real-time image processing hardware.

- Superior image quality using progressive scan CCD and advanced video processing
- Up to 30 frames per second in VGA 640 x 480 resolution
- Simultaneous Motion JPEG and MPEG-4 streams optimize for quality and bandwidth
- Built-in motion detection with pre- and post-alarm image buffering
- Power over Ethernet support (IEEE 802.3af) simplifies installation
- Integrated two-way audio

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AXIS 210A/211A Network Cameras

Specifications

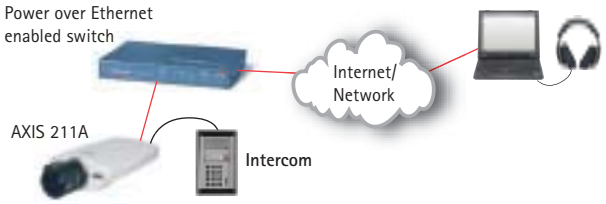
Models	AXIS 210A: indoor use only AXIS 211A: varifocal DC-Iris, indoor/outdoor
Image Sensor	1/4" Sony Wfine progressive scan RGB CCD
Lens	AXIS 210A: 4.0 mm, F1.2, fixed iris, CS mount AXIS 211A: 3.0 - 8.0 mm, F1.0, DC-iris, CS mount
Angle of view	AXIS 210A: 48° horizontal AXIS 211A: 27°-67° horizontal
Minimum illumination	AXIS 210A: 1.0 lux, F1.2 AXIS 211A: 0,75 lux, F1.0
Video compression	Motion JPEG MPEG-4 Part 2 (ISO/IEC 14496-2), Profiles: ASP and SP
Resolutions	16 resolutions from 640 x 480 to 160 x 120 via API, 5 selections via configuration web page
Frame rate	Motion JPEG: Up to 30 fps in all resolutions MPEG-4: Up to 25 fps at 640x480 Up to 30 fps at 480x360 or lower
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 color level, brightness, contrast, exposure, white balance, fine tuning of behavior at low light Overlay capabilities: time, date, privacy mask, text or image
Audio	Two-way (full or half duplex) or one-way. Built-in microphone and external microphone input. Mono audio output (line level) connects to PA system or active speaker with built-in amplifier. Audio compression: G.711 PCM 64kbit/s, G.726 ADPCM 32 or 24 kbit/s
Shutter time	2 sec to 1/12500 sec
Security	Multiple user access levels with password protection IP address filtering, HTTPS encryption
Users	20 simultaneous users of which 10 with audio Unlimited users using multicast (MPEG-4)
Language support (Web interface)	English. Downloadable language files for French, German, Italian, Japanese and Spanish are available at www.axis.com/techsup. Other language files may also be available.
Alarm and event management	Events triggered by built-in motion detection, audio detection, external inputs or according to a schedule. Image upload over FTP, email and HTTP Notification over TCP, email, HTTP and external outputs Pre- and post alarm buffer: up to 9 MB (up to 5 min of 320x240 video at 4 frames per sec)
Connectors	RJ-45 for Ethernet 10BaseT/100BaseTX Terminal block for 1 alarm input, 1 output and alternative power connection 3.5 mm jack for Mic or Line mono input 3.5 mm jack for Line mono output

Processors, memory and clock	CPU: ETRAX 100LX 32bit Video processing and compression: ARTPEC-2 RAM: 32 MB, Flash: 8 MB Battery backed up real-time clock
Power	7-20 V DC max 7 W, PoE IEEE802.3af Class 2
Operating conditions	5 - 45 °C (41 – 113 °F), humidity 20 - 80% RH
Installation, management and maintenance	AXIS Camera Management tool on CD and web-based configuration Configuration of backup and restore
Video access from Web browser	Camera live view, video recording to file (ASF), sequence tour for up to 20 external Axis video sources, customizable HTML pages
Minimum Web browsing requirements	Pentium III CPU 500 MHz or higher, or equivalent AMD, 128 MB RAM, AGP graphics card 32 MB RAM, Direct Draw Windows XP, 2000, 2003 Server, DirectX 9.0 or later Internet Explorer 6.x or later
System integration support	Open API for application integration including AXIS VAPIX API*, AXIS Media Control SDK*, event trigger data in video stream Quality of Service (QoS) Layer 3, DiffServ Model Embedded Linux operating system
Supported protocols	IPv4/v6, HTTP, HTTPS, SNMPv1/v2c/v3 (MIB-II), SSL/TLS*, TCP, QoS, RTSP, RTP, UDP, IGMP, RTCP, SMTP, FTP, ICMP DHCP, UPnP, Bonjour, ARP, DNS, DynDNS, SOCKS, IEEE802.1X. *This product includes software developed by the Open SSL Project for use in the Open SSL Tool kit (www.openssl.org)*
Video management software (not incl.)	AXIS Camera Station - Surveillance application for viewing, recording and archiving up to 25 cameras See www.axis.com/partner/adp_partners.htm for more software applications via partner
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)
Accessories (not incl.)	Housings for adverse indoor/outdoor environments Power over Ethernet midspans AXIS 292 Network Video Decoder MPEG-4 Decoder multi-user license pack
Approvals	EN 55022 Class B, EN 61000-3-2, EN 61000-3-3, EN 55024, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, C-tick AS/NZS 3548, EN 60950 Power supply: EN 60950, UL, cUL
Dimensions (HxWxD) and weight	AXIS 210A: 38 x 88 x 157 mm (1.5" x 3.4" x 6.2") AXIS 211A: 38 x 95 x 178 mm (1.5" x 3,7" x 7.0") 270 g (0.6 lb)

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.



Cabling requirements and installation costs are reduced by the built-in support for Power over Ethernet and audio, enabling power to the cameras and two-way audio to be delivered over the network.

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