AXIS 211/211A
Network Cameras

Superior video quality for professional indoor and outdoor applications

The AXIS 211 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 AXIS 211A, with its additional integrated audio support, enables 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 the best image quality in their class both at indoor and outdoor lighting conditions, 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 varifocal DC-iris lens
- Power over Ethernet support (IEEE 802.3af) simplifies installation
- 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
- Integrated two-way audio support (AXIS 211A)

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Specifications

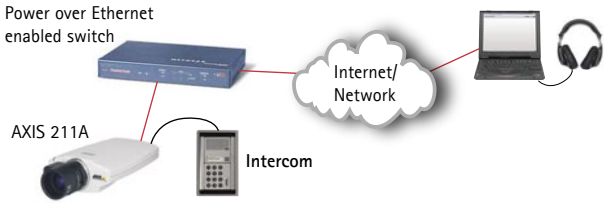
Models	AXIS 211 AXIS 211A: Two-way audio
Image Sensor	1/4" Sony Wfine progressive scan RGB CCD
Lens	F1.0 varifocal 3.0 - 8.0 mm, DC-iris, horizontal viewing angle: 27°-67°, focus range: 0.2 m to infinity, CS mount
Minimum illumination	0.75 lux, F1.0
Video compression	Motion JPEG MPEG-4 Part 2 (ISO/IEC 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	Up to 30 frames per second in all resolutions
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 (AXIS 211A)	Configurable for built-in or external microphone G.711 PCM 64 kbit/s, G.726 ADPCM 32 or 24 kbit/s, full duplex, half duplex, simplex or audio off
Shutter time	2 sec to 1/12500 sec
Security	Multiple user access levels with password protection IP address filtering
Users	20 simultaneous users of which 10 with audio 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, pre- and post alarm buffer AXIS 211: 1.2 MB (approx. 40 sec of 320 x 240 video at 4 frames per sec), AXIS 211A: 9 MB (approx. 5 min)
Connectors	Ethernet 10BaseT/100BaseTX, RJ-45 Terminal block for I/O (1 alarm input, 1 output) and alternative power connection AXIS 211A: 3.5 mm jack for Mic in (max 270 mVpp) or Line mono input (max 8.0 Vpp), 3.5 mm jack for Line mono output (max 3.0 Vpp) to active speaker
Processors, memory and clock	CPU: ETRAX 100LX 32bit Video processing and compression: ARTPEC-2 RAM: 16 MB (AXIS 211)/32 MB (AXIS 211A) Flash: 4 MB (AXIS 211)/8 MB (AXIS 211A) Battery backed up real-time clock
Power	7-20 V DC max 5 W, or Power over Ethernet (IEEE 802.3af)
Operating conditions	5 - 45 °C (41 – 113 °F), humidity 20 - 80% RH

Installation, management and maintenance	Installation tool on CD and web-based configuration Configuration backup and restore SNMP support (AXIS 211A) Firmware upgrades over HTTP or FTP, firmware available at www.axis.com
Video access from Web browser	Camera live view, sequence tour capability for up to 20 Axis cameras, customizable HTML pages
Minimum Web browsing requirements	Pentium III CPU 500 MHz or higher, or equivalent AMD 128 MB RAM Windows XP, 2000, Server 2003, DirectX 9.0 or laterInternet Explorer 6.x or later For other operating systems and browsers see www.axis.com/techsup ** Motion JPEG only*
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 Watchdog secures continuous operation, can be monitored by other systems via event notification Embedded operating system: Linux 2.4
Supported protocols	IP, HTTP, TCP, ICMP, SNMPv1/v2c/v3 (MIB-II), RTSP, RTP, UDP, IGMP, RTCP, SMTP, FTP, DHCP, UPnP, ARP, DNS, DynDNS, SOCKS, NTP etc. More information on protocol usage available at www.axis.com
Video management software (not incl.)	AXIS Camera Station - Surveillance application for viewing, recording and archiving up to 25 cameras AXIS Camera Management - Video installation and management tool. Download for free at www.axis.com AXIS Camera Explorer – Basic software for viewing and manual recording See www.axis.com/partner/adp_partners.htm for more software applications via partners
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 installation outdoors or in adverse indoor environments Power over Ethernet midspans AXIS 292 Network Video Decoder AXIS MPEG-4 Decoder 10 user license pack
Approvals	EN55024, EN55022 Class B, EN61000-3-2, EN61000-3-3, FCC Part 15 Subpart B Class B by compliance with EN55022 Class B, VCCI Class B ITE, C-tick AS/NZS 3548, Canadian ICES-003 B by compliance with Class B, EN60950 Power supply: cUL and EN60950
Dimensions (HxWxD) and weight	38 x 95 x 178 mm (1,5" x 3,7" x 7") 345 g (12.2 oz) excl. power supply

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 for the AXIS 211A to be delivered over the network.

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