AXIS 243SA
Video Server

Full featured, digital benefits for analog video surveillance systems

The AXIS 243SA Video Server enables high resolution, full frame rate video surveillance and remote monitoring in MPEG-4 and Motion JPEG. For optimized system integration and network usage, the server converts analog video into high quality, de-interlaced digital video, and can deliver the highest resolution, 4CIF, at 30/25 (NTSC/PAL) frames per second in MPEG-4 and Motion JPEG.

Designed to migrate analog systems into high performance, IP-based solutions, the AXIS 243SA offers a number of advanced functionalities such as video motion detection, image upload, scheduled and triggered event functionality with alarm notification and simultaneous MPEG-4 and Motion JPEG. Providing two-way audio support, the AXIS 243SA enables users to not only see, but also listen in on an area and communicate requests or orders.

The server's serial port enables pan/tilt/zoom control over the network, and its support for Quality of Service (QoS) helps secure the necessary bandwidth for streaming video and control commands over a network. In addition, a comprehensive set of security features, including multiple user access levels, HTTPS encryption, IEEE802.1X and IP address filtering, ensures secure video handling and configuration. The AXIS 243SA supports Internet Protocol version 6 (IPv6) in addition to IP version 4 as insurance against the growing shortage of IPv4 addresses.

The AXIS 243SA is the ideal choice for casinos, airports, traffic surveillance and prisons — essentially anywhere an analog surveillance system is already installed and full frame rate is needed.

■ Full frame rate in MPEG-4/Motion JPEG in all resolutions

■ High quality, de-interlaced video

■ Simultaneous MPEG-4 and Motion JPEG streams

■ Video motion detection and pre/post-alarm buffer

■ Support for PTZ and dome cameras

■ Integrated two-way audio support

AXIS ®
C O M M U N I C A T I O N S

Make your network smarter

Specifications

Models	AXIS 243SA	**Power**	7–20V DC, max 8W
Video compression	MPEG-4 Part 2 (ISO/IEC 14496-2), Profiles: ASP and SP Motion JPEG	**Operating conditions**	5-50 ºC (41-122 ºF) Humidity 20-80% RH (non-condensing)
Resolutions	4CIF, 2CIFExp, 2CIF, CIF, QCIF Max: 704x480 (NTSC)/704x576 (PAL) Min: 160x120 (NTSC)/176x144 (PAL)	**Installation, management and maintenance**	AXIS Camera Management tool on CD and web-based configuration Configuration of backup and restore Firmware upgrades over HTTP or FTP, firmware available at www.axis.com
Frame rate (NTSC/PAL)	Motion JPEG: Up to 30/25 fps in all resolutions MPEG-4: Up to 30/25 fps in all resolutions	**Video access from Web browser**	Camera live view for up to 20 clients, video recording to file (ASF), sequence tour for up to 20 PTZ presets or external Axis video sources, customizable HTML pages
Video streaming	Simultaneous MPEG-4 and Motion JPEG Controllable frame rate and bandwidth Constant and variable bit rate (MPEG-4)	**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, DirectX 9.0 or later Internet Explorer 6.x or later For other operating systems and browsers see www.axis.com/techsup
Image settings	Compression levels: 11 (Motion JPEG)/23 (MPEG-4) Rotation: 90º, 180º, 270º Aspect ratio correction Color: color, black & white Overlay capabilities: time, date, text, image or privacy mask De-interlace filter		
Audio	G.711 PCM 64kbit/s, G.726 ADPCM 32 or 24 kbit/s, full-duplex, half-duplex, simplex or audio off	**System integration support**	Open API for application integration, including AXIS VAPIX API*, AXIS Media Control SDK*, event trigger data in video stream, embedded scripting Quality of Service (QoS) Layer 3, DiffServ Model Watchdog ensures continuous operation, event notifications can be monitored by other systems Embedded Linux operating system * Available at www.axis.com
Security	Multiple user access levels with password protection, IP address filtering, HTTPS encryption, IEEE 802.1X authentication		
Alarm and event management	Events triggered by video motion detection, external inputs, audio detection, PTZ presets, product restart, video loss, or according to a schedule, Image upload over FTP, email, HTTP Notification over TCP, email, HTTP, external outputs Pre- and post alarm buffer of 9 MB (approx. 4 min of CIF resolution video at 4 frames per second)	**Supported protocols**	IPv4/v6, HTTP, HTTPS, SSL/TLS*, TCP, QoS, SNMPv1/v2c/v3 (MIB-II), RTSP, RTP, UDP, IGMP, RTCP, SMTP, FTP, ICMP DHCP, UPnP, Bonjour, ARP, DNS, DynDNS, SOCKS, IEEE802.1X. More information on protocol usage available at www.axis.com *This product includes software developed by the Open SSL Project for use in the Open SSL Tool kit (www.openssl.org)
Pan/Tilt/Zoom	Wide range of analog PTZ cameras supported* 20 presets/camera, Guard tour, PTZ control queue Supports Windows compatible joysticks *Drivers available for download at www.axis.com		
Connectors	Analog composite video, PAL/NTSC auto-sensing input 1 BNC input, 1 BNC output (loopthrough) or Y/C video input Ethernet 10BaseT/100BaseTX, RJ-45 Terminal block: 4 alarm inputs 4 outputs RS-485/422 half duplex port Alternative power connection D-sub for RS-232 port 3.5 mm jack for Mic in (max 54 mVpp) or Line in (max 8 Vpp, mono) 3.5 mm jack for Line out (max 2.6 Vpp, mono) to active speaker	**Included accessories**	Power supply 9 V DC, mounting brackets, connector kit, Installation Guide, CD with installation and management tools, software and User's Manual, MPEG-4 licenses (1 encoder, 1 decoder), MPEG-4 decoder (Windows)
		Applications (not included)	AXIS Camera Station - Surveillance application for viewing, recording and archiving up to 25 cameras See ww.axis.com/partner/adp_partners.htm for further software applications via partners
Casing	Metal casing. Standalone, stackable or with brackets for wall- or cage mount	**Accessories (not included)**	AXIS 295 Video Surveillance Joystick MPEG-4 Decoder multi-user license pack Cable adapter Y/C to BNC
Processors and memory	CPU: ETRAX 100LX 32bit Video processing and compression: ARTPEC-2 RAM: 32 MB Flash: 8 MB Battery backed up by real-time clock	**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 CISPR 22, EN 60950 Power supply: EN 60950, UL, cUL
		Dimensions (HxWxD) and weight	42 x 140 x 155 mm (1.7" x 5.5" x 6.1") 540 g (1.2 lbs) excl. power supply

www.axis.com

AXIS
COMMUNICATIONS
Make your network smarter