AXIS 243SA
Video Server

Full featured, digital benefits for analog video surveillance systems

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, AXIS 243SA offers a number of advanced functionalities such as active tampering alarm, image upload, scheduled and triggered event functionality with alarm notification and simultaneous MPEG-4 and Motion JPEG. With two-way audio, AXIS 243SA enables users to not only see, but also listen in on an area and communicate requests or orders.

AXIS 243SA supports all major anolog PTZ cameras, 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 video and audio**
- **Simultaneous MPEG-4 and Motion JPEG streams**
- **Advanced alarm handling including motion detection and active tampering alarm**
- **Support for PTZ and dome cameras**
- **Easy to integrate into systems**

TECHNICAL SPECIFICATIONS – AXIS 243SA

Video compression	Motion JPEG MPEG-4 Part 2 (ISO/IEC 14496-2), Profiles: ASP and SP	**Power**	7 - 20V DC, max 8W
Resolutions	4CIF, 2CIFExp, 2CIF, CIF, QCIF Max: 704x480 (NTSC) 704x576 (PAL) Min: 160x120 (NTSC) 176x144 (PAL)	**Operating conditions**	5 - 50 ℃ (41 - 122 ℉) Humidity 20 - 80% RH (non-condensing)
Frame rate (NTSC/PAL)	Motion JPEG: Up to 30/25 fps in all resolutions MPEG-4: Up to 30/25 fps in all resolutions	**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
Video streaming	Simultaneous MPEG-4 and Motion JPEG Controllable frame rate and bandwidth Constant and variable bit rate (MPEG-4)	**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
Image settings	Compression levels: 11 (Motion JPEG)/23 (MPEG-4) Rotation: 90°, 180°, 270° Aspect ratio correction Color: color, black/white Overlay capabilities: time, date, text, image or privacy mask De-interlace filter	**Minimum web browsing requirements**	Pentium III CPU 500 MHz or higher, or equivalent AMD 128 MB RAM DirectX 9 compatible graphics board, Direct Draw Windows Vista, XP, 2000 Internet Explorer 6.x or later For other operating systems and browsers see www.axis.com/techsup
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	**System integration support**	Open API for application integration, including VAPIX® from Axis Communications*, AXIS Media Control SDK*, event trigger data in video stream and access to serial port peripherals over HTTP Quality of Service (QoS) Layer 3, DiffServ Model Watchdog Embedded Linux operating system * Available at www.axis.com
Audio	Two-way (full or half duplex) or one-way Mono output (line level), mono input (mic/lin) Audio compression: G.711 PCM 64kbit/s, G.726 ADPCM 32 or 24 kbit/s	**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)
Security	Multiple user access levels with password protection, IP address filtering, HTTPS encryption, IEEE 802.1X network access control		
Alarm and event management	Events triggered by video motion detection, audio detection, tampering detection, external input, PTZ presets, product restart, video loss, or according to a schedule, Image upload over FTP, email, HTTP Notification over TCP, email, HTTP, external outputs 9 MB of pre- and post alarm buffer (approx. 4 min of CIF resolution video at 4 fps)	**Included accessories**	Installation Guide, CD with installation and management tools, software and User's Manual, power supply 9 V DC, mounting brackets, connector kit, licenses for 1 encoder and 1 decoder, decoder software for Windows

Connectors	Analog composite video, PAL/NTSC auto-sensing input
	1 BNC input,
	1 BNC output (loopthrough) or Y/C video input
	RJ-45 for Ethernet 10BaseT/100BaseTX
	Terminal block for
	  4 alarm inputs
	  4 outputs
	  RS-485 half duplex port
	  Alternative power connection
	D-sub for RS-232 port
	3.5 mm jack for Mic or Line mono input
	3.5 mm jack for Line mono output
		Applications (not included)	AXIS Camera Station - Video management software for viewing, recording and archiving up to 25 cameras
			See ww.axis.com/partner/adp_partners.htm for further software applications via partners

		Accessories (not included)	AXIS 295 Video Surveillance Joystick Multi-user decoder license pack Cable adapter Y/C to BNC
Casing	Metal casing. Standalone, stackable or with brackets for wall or cage mount	**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
Processors and memory	CPU: ETRAX 100LX Video processing and compression: ARTPEC-2 RAM: 32 MB Flash: 8 MB Battery backed up by real-time clock	**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