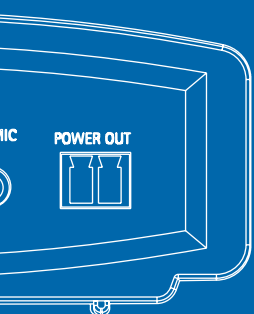


# AXIS 247S Video Server

*Video encoder solution for efficient  
and compact installation*



*AXIS 247S Video Server is a high-performance, single channel video encoder, offering a perfect solution for integrating analog cameras into IP-based video surveillance systems. AXIS 247S is the ideal choice for retail stores, bank offices and other areas where the advantages of a compact networked video solution are required.*



## COMPACT VIDEO ENCODER SOLUTION >

The compact AXIS 247S is ideal for installation close to the analog camera, where space constraints call for an optimized solution.

## POWERED OVER ETHERNET WITH POWER OUT FOR CAMERA >

Installer-friendly AXIS 247S is powered over Ethernet, and can also feed the camera with power, eliminating the need for power outlets.

## HIGH QUALITY, DE-INTERLACED VIDEO >

Analog video is converted to high-quality, de-interlaced, digital video at up to 30/25 frames per second in 4CIF resolution. Simultaneous Motion JPEG and MPEG-4 video streams allow for optimization both on image quality and bandwidth efficiency.

## AUDIO SUPPORT >

Audio support enables users not only to view, but also listen in on an area, picking up communication between intruders or unusual sounds from suspicious activity.

## POWERFUL EVENT MANAGEMENT >

Event management capabilities include multi-window video motion detection, audio detection and alarm buffering for efficient use of the video surveillance system.

**AXIS**<sup>®</sup>  
COMMUNICATIONS

## COMPACT VIDEO ENCODER SOLUTION

AXIS 247S Video Server is a high-performance, single channel video encoder for integrating analog cameras into IP-based video surveillance systems. The compact AXIS 247S is ideal for distributed installation close to the analog camera, where space constraints call for an optimized solution, e.g. for video surveillance with small and discreet cameras in retail stores. Axis video servers provide the opportunity to take advantage of all the benefits that digital technology offers, perfect for installations where analog fixed cameras are to be used in an IP-based video surveillance system, e.g. in bank offices, airports, governmental or industrial buildings.

## HIGH QUALITY, DE-INTERLACED VIDEO

AXIS 247S Video Server provides high quality, de-interlaced video at up to 30/25 frames per second in 4CIF resolution. The de-interlace filter eliminates the artifacts caused by the analog PAL/NTSC video signal.

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## SIMULTANEOUS MOTION JPEG AND MPEG-4

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AXIS 247S offers simultaneous Motion JPEG and MPEG-4. Video streams can be optimized for image quality and bandwidth efficiency by configuration of frame rate, resolution, compression level and format.

## AUDIO SUPPORT

A microphone or line-in equipment can be connected to AXIS 247S, enhancing the video surveillance by enabling users not only to view, but also listen in on an area, picking up communication between intruders or unusual sounds from suspicious activity.



## POWERFUL VIDEO AND EVENT MANAGEMENT

With AXIS 247S Video Server, video can be accessed at any time, from any computer anywhere. AXIS 247S allows for powerful event management with multi-window motion detection, audio detection and I/O (input/output) for connecting devices such as sensors and external relays to activate lights or open/close doors. Pre/post-image alarm buffering secures images just before and after an alarm. AXIS 247S is supported by AXIS Camera Station video management software, which offers remote video monitoring, recording and playback.

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## OPEN PROGRAMMING INTERFACE FOR CUSTOMIZED APPLICATIONS

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AXIS 247S supports the industry-standard Axis Application Programming Interface, AXIS VAPIX™ API, which facilitates the development of customized software solutions. It also ensures that users benefit from the market's widest range of third-party applications, available via Axis Application Development Partners.

## EASY INSTALLATION

The compact AXIS 247S is quickly and easily mounted on a wall or ceiling.



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## POWER OVER ETHERNET

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The installer-friendly AXIS 247S is powered over Ethernet (PoE) according to IEEE 802.3af, and can feed the camera with power, which eliminates the need for power outlets. Power classification 2 or 3 is selectable, enabling optimization of the PoE-enabled network – either providing just enough power for a miniature camera, or for supplying a standard analog camera.

The camera can quickly be connected by use of the optional camera cable, fitting to the multi-connector on AXIS 247S and providing standard connectors at the other end for video in, power out and audio in.



## ADVANCED SECURITY AND NETWORK MANAGEMENT

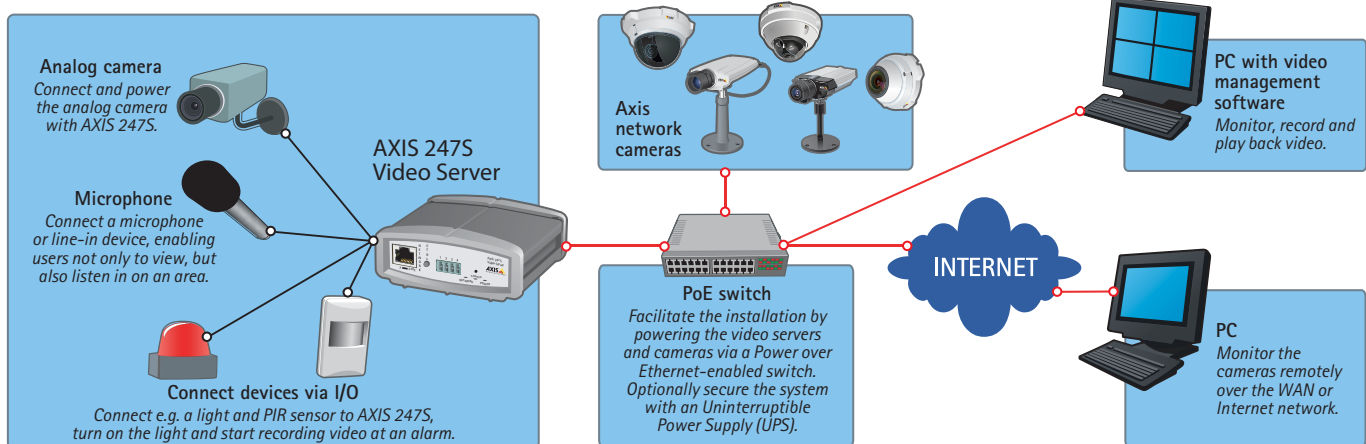
AXIS 247S is supported by AXIS Camera Management, which offers centralized management of AXIS 247S and other Axis network video devices. It locates and shows connection status, sets IP addresses, configures single or multiple units and manages firmware upgrades and user access rights.

AXIS 247S offers a comprehensive set of network security features, such as IP address filtering, HTTPS encryption and IEEE 802.1X authentication.

AXIS 247S supports Quality of Service (QoS), which enables reservation of network capacity and prioritization of mission-critical surveillance in a QoS-aware network. Support for IPv6 is included in addition to the standard IP protocol version 4, as insurance against the growing shortage of IPv4 addresses.

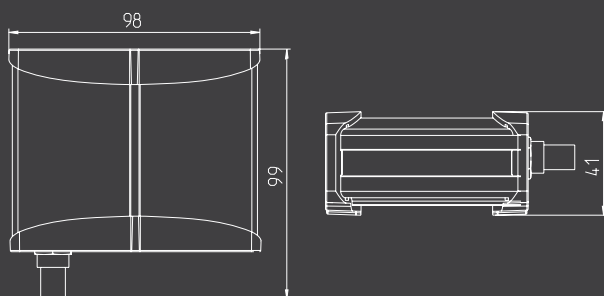


## A TYPICAL INSTALLATION



## DIMENSIONS

Measurements in mm



Picture in natural size

## TECHNICAL SPECIFICATIONS – AXIS 247S VIDEO SERVER

<b>Video compression</b>	Motion JPEG MPEG-4 Part 2 (ISO/IEC 14496-2) with motion estimation Profiles: Advanced Simple Profile and Simple Profile	<b>Operating conditions</b>	0 - 50 °C (41 - 122 °F) Humidity 20 - 80% RH (non-condensing)
<b>Resolutions</b>	4CIF, VGA, 2CIF, CIF, QVGA, QCIF Max 704x480 (NTSC) 704x576 (PAL) Min 160x120 (NTSC) 176x144 (PAL)	<b>Installation, management and maintenance</b>	AXIS Camera Management tool on CD and web-based configuration Configuration of backup and restore
<b>Frame rate (NTSC/PAL)</b>	Motion JPEG: Up to 30/25 fps at 4CIF MPEG-4: Up to 30/25 fps at VGA, 27/23 fps at 4CIF	<b>Video access from web browser</b>	Camera live view for up to 20 clients Video recording to file (ASF) Sequence tour for up to 20 external Axis video sources Customizable HTML pages
<b>Video streaming</b>	Simultaneous Motion JPEG and MPEG-4 Controllable frame rate and bandwidth Constant and variable bit rate (MPEG-4)	<b>Minimum web browsing requirements</b>	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
<b>Image settings</b>	Compression levels: 11 (Motion JPEG) /23 (MPEG-4) Aspect ratio correction Color: color, black & white Overlay capabilities: time, date, text or image or privacy mask De-interlace filter	<b>System integration support</b>	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
<b>Audio</b>	One-way audio AAC LC 8-32 kbit/s G.711 PCM 64kbit/s G.726 ADPCM 32 or 24 kbit/s Simplex or audio off	<b>Supported protocols</b>	IPv4/v6, HTTP, HTTPS, SSL/TLS*, TCP, ICMP, QoS, SNMPv1/v2cv/v3 (MIB-II), RTSP, RTP, UDP, IGMP, RTCP, SMTP, FTP, DHCP, UPnP, Bonjour, ARP, DNS, DynDNS, SOCKS, NTP, etc.  <i>*This product includes software developed by the Open SSL Project for use in the Open SSL Toolkit</i>
<b>Security</b>	Multiple user access levels with password protection, IP address filtering, HTTPS encryption, IEEE 802.1X authentication	<b>Included accessories</b>	Installation Guide CD with User's Manual, demo software, installation and management tools Terminal connector kit MPEG-4 licences (1 encoder, 1 decoder)
<b>Alarm and event management</b>	Events triggered by video motion detection, external input, audio detection, 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)	<b>Video management software (not incl.)</b>	AXIS Camera Station - Surveillance application for viewing, recording and archiving up to 25 cameras See <a href="http://www.axis.com/partner/adp_partners.htm">www.axis.com/partner/adp_partners.htm</a> for more software applications via partners
<b>Connectors</b>	Analog composite video BNC input, NTSC/PAL autosensing Ethernet 10BaseT/100BaseTX, RJ-45 I/O Terminal block: 1 alarm input, 1 alarm output Power terminal block: Power feed to the camera or alternative power supply for the video server 3.5 mm jack for Mic in (max 80 mVpp) or Line in (max 6.4 Vpp, mono) 6 pin Mini-DIN alternative connection for: video in, audio in, power out	<b>Accessories (not incl.)</b>	Camera cable (10m) from 6 pin mini-DIN connector to RCA (video in, RCA to BNC adapter also included), RCA (audio in), Mini DC jack (power out) MPEG-4 Decoder multi-user license pack Indoor power supply PS-K: 9 V DC, 9 W
<b>Casing</b>	Metal casing Standalone or with brackets for wall mount	<b>Approvals</b>	EN55022 Class B, EN55024, EN61000-3-2, EN61000-3-3, FCC Part 15 Subpart B Class B, VCCI Class B C-tick AS/NZS CISPR22:2002, ICES-003 Class B, EN60950-1
<b>Processors, memory and clock</b>	CPU, video processing and compression: ARTPEC-A RAM: 32 MB Flash: 8 MB Battery backed up real-time clock	<b>Dimensions (HxWxD) and weight</b>	41 x 98 x 99 mm (1.6" x 3.8" x 3.9") 214 g (0.47 lb)
<b>Power</b>	Power over Ethernet (IEEE 802.3af) with dip-switch selectable power classification: Class 2: max 1.4 W for powering the camera Class 3: max 5.0 W for the camera (AXIS 247S uses max 5.0 W) Alternative power connection over terminal block: 7-15 V DC		

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