

AXIS 243Q Blade Video Server / AXIS 291 1U Video Server Rack

Full frame rate, high-density video encoder rack solution.



- > Full frame rate
- > High-density solution
- > High-quality, de-interlaced video
- > Simultaneous MPEG-4 and Motion JPEG
- > Video motion detection and pre-/post-alarm buffer
- > Support for PTZ and dome cameras

AXIS 291 1U Video Server Rack is a high-density solution for seamless and professional installation of video encoders. Together with the AXIS 243Q Blade Video Server, it is designed to migrate analog systems to high performance, IP-based, digital solutions.

The powerful combination of AXIS 243Q and AXIS 291 1U offers full frame rate at up to 4CIF resolutions on all channels simultaneously.

Analog video is converted to high-quality, de-interlaced, digital video.

Simultaneous Motion JPEG and MPEG-4 for optimized quality and bandwidth.

The event management capabilities ensure efficient use of the cameras in the network video system. This includes video motion detection, active tampering alarm, and alarm buffering.

The video server enables pan/tilt/zoom control over the network of all leading brands of analog video cameras on the market.



Technical specifications – AXIS 243Q Blade Video Server / 291 1U Video Server Rack

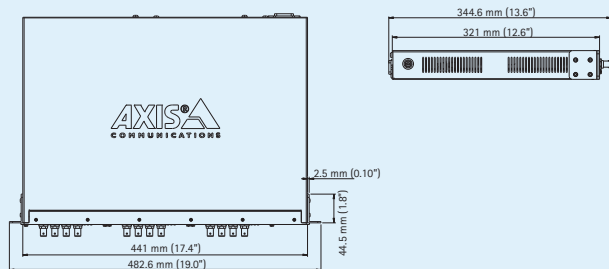
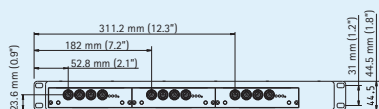
Video server	
Models	AXIS 243Q Blade Video Server Requires the AXIS 201 1U Video Server Rack or the AXIS Q7900 Rack
Video compression	MPEG-4 Part 2 (ISO/IEC 14496-2) Motion JPEG
Resolutions	704x576 to 160x120
Frame rate MPEG-4	Up to 30/25 (NTSC/PAL) per channel in all resolutions
Frame rate Motion JPEG	Up to 30/25 (NTSC/PAL) per channel in all resolutions
Video streaming	Simultaneous MPEG-4 and Motion JPEG Controllable frame rate and bandwidth VBR/CBR MPEG-4
Image settings	Compression, color Rotation: 90°, 180°, 270° Aspect ratio correction Text and image overlay Privacy mask Deinterlace filter
Network	
Security	Password protection, IP address filtering, HTTPS encryption, IEEE 802.1X network access control
Supported protocols	IPv4/v6, HTTP, HTTPS, QoS layer 3 DiffServ, FTP, SMTP, Bonjour, UPnP, SNMPv1/v2c/v3(MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS
System integration	
Application Programming Interface	Open API for software integration, including VAPIX® from Axis Communications available at www.axis.com
Intelligent video	Video motion detection, active tampering alarm
Alarm triggers	Intelligent video, external inputs, video loss, on boot, PTZ preset
Alarm events	File upload via FTP, HTTP and email Notification via email, HTTP and TCP External output activation
Video buffer	9 MB pre- and post-alarm per channel
Pan/Tilt/Zoom	Wide range of analog PTZ cameras supported (drivers available for download at www.axis.com) 20 presets/camera, guard tour, PTZ control queue Supports Windows compatible joysticks

General	
Processor and memory	4x ETRAX 100LX, 4x ARTPEC-2, 4x 32 MB RAM, 4x 8 MB Flash
Power	Powered from AXIS 291 1U Video Server Rack
Connectors	4 analog composite video BNC input, NTSC/PAL auto-sensing RJ-45 10BASE-T/100BASE-TX Terminal block for 4 inputs, 4 outputs and RS-485 half duplex
Operating conditions	0 – 45 °C (32 – 113 °F) Humidity 20 – 80% RH (non-condensing)
Approvals	EN 61000-6-1, EN 61000-6-2, EN 55024, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3, FCC Part 15 Subpart B Class B, AS/NZS CISPR 22, ICES-003, VCCI Class B, ITE EN 60950-1
Weight	270 g (0.6 lbs)
Included accessories	Installation Guide, CD with installation and management tools, software and User's Manual, 1 Windows decoder user license

291 1U Video Server Rack	
Expansion slots	3 slots for Axis blade video servers
Casing	Metal casing for standalone or rack mounting
Power	100 – 240 V AC, 1.9 A max 80 W (with 3x243Q)
Connectors	Ethernet 10BASE-T/100BASE-TX/1000BASE-T, RJ-45 (Gigabit Ethernet) 3 terminal blocks: 4 alarm inputs 4 outputs RS-485/422 half-duplex
Operating conditions	0 – 45 °C (32 – 113 °F) Humidity 20 – 80% RH (non-condensing)
Approvals	EN 55022 Class B, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class B, VCCI Class B, AS/NZ CISPR 22, ICES-003, ITE, UL, cUL, EN 60950-1, CB-certificate, KTL
Weight	3.7 kg (8.2 lbs) excluding blades
Included accessories	Installation Guide, mounting kit, AC power cable

More information is available at www.axis.com

Dimensions



Optional accessories



AXIS 295
Video Surveillance Joystick



For information on AXIS Camera Station and video management software from Axis' Application Development Partners, see www.axis.com/products/video/software/