AXIS Q7900 Rack

High-density rack solution for demanding video surveillance.

> Slots for 14 hot-swappable blades

> Four Gigabit Ethernet ports

> Redundant power supplies

> Hot-swappable fan cassettes

AXIS Q7900 Rack is one of the industry's highest-density rack solutions, enabling up to 84 analog cameras to be integrated into an IP-based video surveillance system. It is ideal for large, professional installations that require outstanding performance and reliability, as well as ease of installation and maintenance.

AXIS Q7900 is a 4U, 19-inch rack that holds up to 14 hot-swappable blades. Blades can be added or changed without having to power down the rack.

Any combination of blades — whether they are 1-, 4- or 6-channel blades supporting different compression formats, resolutions and frame rates — can be used. The rack offers flexibility and support for an expanding video surveillance system.

When the rack is fully equipped with AXIS Q7406 Video Encoder Blades, 84 analog cameras can be supported. With four ports supporting Gigabit Ethernet, the rack can deliver multiple video streams from each of the 84 channels.

AXIS Q7900 is a highly reliable unit. It has two redundant power supply units; if one of the power supplies needs to be replaced, no disruption to the rack's operation will occur.

AXIS Q7900 also has hot-swappable fan cassettes that can be replaced without the need to cut off power.

The rack supports PTZ and PTZ dome control through RS-485 connectors at the back of each slot. Each slot also has connections for external input and/or output devices, which allow for external alarm triggers and control of devices such as doors or lights in an event.

Technical specifications – AXIS Q7900 Rack

Video encoder rack	
Expansion slots	14 slots for Axis video encoder blades
Casing	4U, 19-inch metal casing for rack mounting
Power	100-240 V AC, max. 480 W 2 exchangeable, redundant power supply units
Connectors	4 Ethernet 10BASE-T/100BASE-TX/1000BASE-T, RJ-45 (Gigabit Ethernet); use 1, 2, 3 or 4 Ethernet ports depending on the bandwidth requirement 14 terminal blocks, each with inputs/outputs, RS-485 half-duplex, 12 V power out
Cooling	3 replaceable fan cassettes

Operating conditions	0 °C - 45 °C (32 °F - 113 °F) Humidity 20-80% RH (non-condensing)
Approvals	EN 55022 Class A*, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A*, VCCI Class A*, AS/NZ CISPR 22, KCC Class A, ICES-003, UL, cUL, EN 60950-1
Weight	7550 g (16.6 lb.) excluding blades
Included accessories	Installation Guide, mounting kit, 2 AC power cables, terminal blocks

* Please note that this is a Class A product and may cause interference to radio or television broadcasts if used in residential areas. The user might need to take appropriate measures to reduce electromagnetic emissions.

More information is available at www.axis.com

Compatible video encoder blades					
Blade	No. of channels	Video compression*	Frames per second (NTSC/PAL) in max. resolution	External inputs/outputs	PTZ support
AXIS Q7406	6	H.264 Motion JPEG	Multiple streams at 30/25 in D1 per channel	12 configurable	●
AXIS Q7414	4	H.264 Motion JPEG	Multiple streams at 30/25 in D1 per channel	8 configurable	●
AXIS P7224	4	H.264 Motion JPEG	Multiple streams at 30/25 in D1 (8 streams total)	4 configurable	●
AXIS 243Q	4	MPEG-4 Motion JPEG	30/25 in 4CIF per channel	4/4	●
AXIS 241Q	4	MPEG-4	21/17 in 4CIF using 1 channel, 20/17 in CIF per channel using 4 channels	4/4	●
		Motion JPEG	30/25 in 4CIF using 1 channel, 30/25 in CIF per channel using 4 channels		
AXIS 240Q	4	Motion JPEG	6/5 in 4CIF per channel	4/4	●
AXIS 241S	1	MPEG-4	21/17 in 4CIF, 30/25 in 2CIF	4/4	●
		Motion JPEG	30/25 in 4CIF		

*H.264 is also known as MPEG-4 Part 10/AVC. In the table, MPEG-4 refers to MPEG-4 Part 2.

Dimensions

Front view

Power supplies

176.5 mm (7")

482.4 mm (19")

Width excluding mounting: 443.4 mm (17.5'')

276.6 mm (10.9")

Back view

Fans

Gigabit Ethernet
12 V power out
Inputs/Outputs
RS-485

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