

AXIS Q7920 Video Encoder Chassis

Reliable, high-density video encoder chassis.



- > Holds up to 14 hot-swappable blades
- > Power and network redundancy
- > I/O and serial port support

AXIS Q7920 is a high-density rack mount video encoder chassis, providing an expandable solution for migrating analog installations to network video. This video encoder chassis is ideal for large, mission critical installations where high performance, flexibility and reliability are required.

AXIS Q7920 is a 5U rack mount video encoder chassis that holds up to 14 hot-swappable video encoder blades. The video encoder chassis, when fully equipped, enables up to 84 analog cameras to be integrated into an IP-based video surveillance system.

AXIS Q7920 allows a number of different video encoder blades to be mounted and thereby offering a flexible, expandable, high-density solution. It allows any combination of blades, supporting different compression formats, resolutions and frame rates. Blades can be added or changed without having to power down the chassis.

AXIS Q7920 is a highly reliable video encoder solution with its power and network redundancy. It offers both RJ45 ports and SFP slots to ensure flexible and cost-effective long distance network connectivity.

The video encoder chassis supports PTZ 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 door locks or lights.

Technical specifications – AXIS Q7920 Video Encoder Chassis

Video decoder	
Model	AXIS Q7920 Video Encoder Chassis
General	
Expansion slots	14 slots for video encoder blades
Casing	5U, metal casing for mounting in 19-inch rack Color: Black/silver (NCS S 9000-N)
Power	100-240 V AC, max. 365 W, 50/60 Hz 2 exchangeable, redundant power supply units
Cooling	Two exchangeable fan trays equipped with two fans each
Connectors	4x Ethernet 10BASE-T/100BASE-TX/1000BASE-T RJ45 (Gigabit Ethernet) 4x 1 Gbps SFP slot 14x I/O terminal blocks 14x RS-485 terminal blocks (half-duplex) 14x 2-pin 12 V power out terminal blocks

Operating conditions	0 °C - 45 °C (32 °F - 113 °F) 20 - 85% RH (non-condensing)
Approvals	EN 55022 Class B, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, FCC part 15 Subpart B Class A, unshielded cable, FCC Part 15 Subpart B Class B, shielded cable, VCCI Class B, C-Tick AS/NZ CISPR 22 Class B, ICES-003 Class B, KCC KN22 Class B, KN24, UL/IEC/EN 60950-1, EN 50121-4
Dimensions (HxWxD)	221.5 x 482 x 249.3 mm (8.7" x 19.0" x 9.8")
Weight	10.5 kg (23.2 lb) excluding blades
Included accessories	Installation Guide, mounting kit (incl 4 feet), 2 AC power cables, terminal blocks
Warranty	Axis 3-year warranty, see www.axis.com/warranty

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	Multiple streams at 30/25 in D1 per channel	12 configurable	●
		Motion JPEG			
AXIS Q7414	4	H.264	Multiple streams at 30/25 in D1 per channel	8 configurable	●
		Motion JPEG			
AXIS P7224	4	H.264	Multiple streams at 30/25 in D1 (8 streams total)	4 configurable	●
		Motion JPEG			

AXIS 240Q, AXIS 241Q, AXIS 241S and AXIS 243Q are also compatible with AXIS Q7920.

