

AXIS T8646 PoE+ over Coax Blade

Multi-channel migration to IP. Keep the coax.

AXIS T8646 PoE+ over Coax Blade allows migration from analog to IP video surveillance systems using existing coax cabling. This is especially important in large-scale installations where coax cables are already present, very long or even inaccessible. The 6-channel, hot-swappable blade fits any Axis' video encoder chassis offering high channel density. To complement the solution, AXIS T8642 PoE+ over Coax Device Unit is used on the camera side. Both the device unit and the network camera can receive power over the coax cable using AXIS T8085 500 W or AXIS T8082 2kW rack-mounted power supply.

- > **No need for re-cabling, keep the coax**
- > **Fits Axis' video encoder chassis**
- > **High channel density**
- > **Supports Axis' network cameras**



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Data & power		General	
Data rate	Coaxial cable: 100 + 100Mbps symmetrical to full range	Display and indicators	Green/Amber/Red power LED Green/Amber/Red coax link/activity LED, 1 per channel Green/Amber/Red PoE+ over coax LED, 1 per channel
Connectors	6 BNC 75 Ohm coaxial connectors DC power input for optional PoE over Coax AXIS T8642: BNC 75 Ohm coaxial connector, Shielded RJ45, EIA 568A and 568B	Mounting	Axis' video encoder chassis only
Network cables	Any 75 Ohm coaxial (other impedances supported), to 500 m /1600 ft at full rate, see range table.	Environment	Indoor
Output	AXIS T8646: Power over Ethernet Plus (PoE+) IEEE 802.3at Type 2 Class 4 over Coax with safe auto-detection and auto-cutout AXIS T8642: Power over Ethernet Plus (PoE+) IEEE 802.3at Type 2 Class 4 enabled to detected devices up to 25.5 W	Operating conditions	0 °C to 45 °C (32 °F to 113 °F) Humidity 20–85% RH (non-condensing)
Input	AXIS T8646: Powered by encoder chassis, optional DC input to enable PoE+ over coax AXIS T8642: Power over Ethernet Plus (PoE+) IEEE 802.3at Type 2 Class 4 over Coax or DC power	Approvals	EN 55022 Class A, EN 55024, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, C-tick AS/NZS CISPR 22 Class A, IEC/EN/UL 60950-1
Installation and management	Plug-and-play installation; Automatically detects PoE and PoE+ enabled devices and supplies in-line power Local LED management display on AXIS T8642, status LEDs on AXIS T8646	Weight	270 g (0.6 lb)
		Warranty	5-year warranty, see axis.com/warranty

Environmental responsibility:

axis.com/environmental-responsibility