

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 |
| Max. output power | 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 power | 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 | AXIS T8646 Blade: Axis 3-year warranty For more information, see www.axis.com/warranty |

Environmental responsibility:

www.axis.com/environmental-responsibility