

High Temperature 75W PoE++ Supply

For use with CostarHD PoE++ Products



Rugged Construction

- 75 watt, 55 VDC PoE++ power delivery
- High-Temperature operation up to 74°C
- Wide 100-240VAC input range
- Up to 90% humidity

Interoperability

- Supports IEEE802.3af/at and LTEPoE++
- 10/100/1000BaseT ethernet
- RoHS compliant
- MTBF 100,000's @ 25°C
- Compact design, high power low cost
- Convenient mounting tabs for quick installation

The CostarHD 7412007-003 is a high power, high operating temperature PoE mid span injector for use with CostarHD PoE++ products.

The 7412007-003 delivers 55VDC at up to 75 watts over 4 pairs with data speeds up to 1000BaseT.

The 7412007-003 provides maximum installation interoperability with its wide input voltage range of 100VAC to 230VAC, while providing PoE power for devices

compliant with 802.3af/at, LTEPoE++ and 10/100/1000BaseT network environments.

Designed to withstand high operating temperature environments, the 7412007-003 supplies up to 65 watts at 74°C, delivering sufficient power for RISE platform camera systems.

At lower temperatures, when camera heaters are active, the unit can deliver up to 75 watts of power if needed.

Certified for RoHS, WEE, CE, FCC, the 7412007-003 provides 100,000 hours MTBF reliability.

CostarHD delivers years of clean, reliable operation and backs it with a world class two year warranty.



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7412007.003.2

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POE POWER OUTPUT

Power Pins	4/5 (+), 7/8 (-) and 3/6 (+), 1/2 (-)
Data Rate	10/100/1000Mbps
Output Voltage	55VDC
Output current	1.36A
Input voltage	100-240VAC
AC current input	1.5A minimum
AC Hz	50/60hz

ENVIRONMENTAL

Operating temp	-40°F to 165°F (-40°C to 74°C) TS-2 profile
Power vs Temp	Refer to temperature profile
Elevation	Up to 3048 meters
Humidity	90% maximum, non-condensing

CONNECTORS AND INDICATORS

Refer to diagram

MECHANICAL

Dimensions	4.7" x 7.9" x 1.6" (128mm x 202mm x 41mm)
Weight	1.6 lbs. (760g)

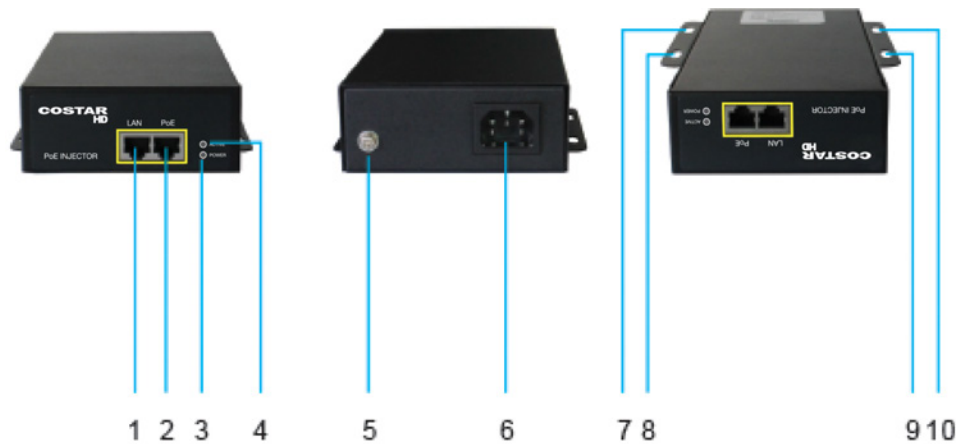
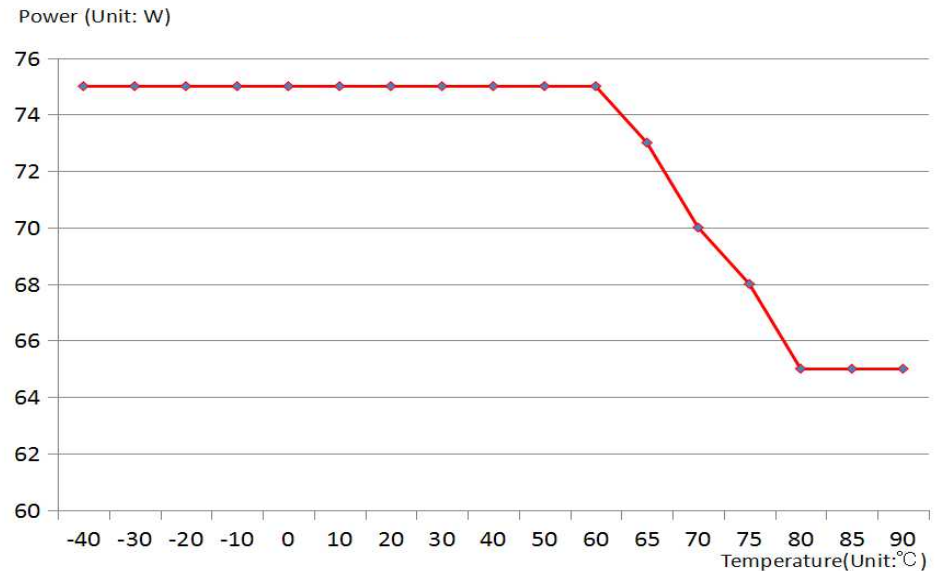
STANDARDS

IEEE802.3 10BaseT Ethernet
IEEE802.3u 100BaseT Ethernet
IEEE802.3ab 1000BaseT Ethernet
Support IEEE802.af/at and LTEPoE++
RoHS compliant
WEEE compliant
CE
FCC part 15, class B
EN55022 class B
MTBF 100,000 @ 25°C

ORDERING INFORMATION

7412007-003 High power, high temperature PoE++ mid span injector for CostarHD PoE++ products. Includes AC power cord (US)

POWER DELIVERY VS TEMPERATURE PROFILE



1. LAN data input port
2. PoE power/network port
3. Power LED indicator
4. Load indicator
5. AC protective ground lug
6. AC power input
- 7-10. Install Holes

About CostarHD™

CostarHD is a leading manufacturer of high-definition video systems designed to satisfy the demanding performance requirements for critical infrastructure applications. CostarHD solutions integrate the latest high-definition video imaging and compression technologies into ruggedized camera products for monitoring in critical, sensitive environments.