Overview

Pace1ST is a long range Ethernet transceiver designed for use with Pace1PRM, Pace4PRM, Pace8PRM and Pace16PRM receivers. They transmit data at 100mbps full duplex and power via Cat5e or higher cable in a PoE(+) compliant format. The Pace1ST will not deliver power to non compliant devices, thus avoiding damage to improperly connected non-PoE cameras/devices. The receiver passes the PoE(+) compliant power over the cable to the Pace1ST transceiver which in turn passes this power to an enabled IP camera/device. These plug and play units facilitate cost effective solutions for IP devices that need to be installed at distances greater than 100m.

Pace1ST

Pace™

Specifications

Input:
- PoE (15W) IEEE 802.3af compliant or PoE+ (30W) IEEE 802.3at compliant from Pace1PRM, Pace4PRM, Pace8PRM, or Pace16PRM.

Ethernet:
- Connectivity: RJ45, auto-crossover.
- Wire type: 4-pair CAT5e or a single twisted pair UTP.
- Speed: 10/100BaseT, half/full duplex, auto negotiation. PoE compliant to IEEE 802.3af (15W) and PoE+ compliant to IEEE 802.3at (30W) delivered to camera by Pace1ST.
- Throughput is rated to pass 100mbps of data.

CAT5e or Higher:
- Distance: up to 500m @ 100mbps.

LED Indicators:
- Green - PoE ON (by respective RJ45 jack).
- Yellow and Green LED IP Link status, 10/100Base-T/active.

Environmental:
- **Operating Temperature:**
  For 15W: — 40ºC to 75ºC (— 40ºF to 167ºF).
  For 30W: — 40ºC to 65ºC (— 40ºF to 149ºF).

Environmental (cont'd):
- **Storage Temperature:**
  — 40ºC to 75ºC (— 40ºF to 167ºF).
- Relative humidity: 20 to 85%, non-condensing.
- Operating Altitude: –1000 to 6,561.679 ft. (–304.8 to 2000m).

Functions:
- Auto detection and protection of legacy non-PoE cameras/devices.

Applications:
- Retrofit digital IP cameras in an analog CCTV CAT5e installations.
- Extend Network link distance in an industrial environment over 610m.
- Works with Megapixel, HD720, HD1080 and VGA (SD) cameras with proper headend equipment.

Mechanical:
- Dimensions (W x L x H approx.):
  2.27" x 2.645" x 1.12"
  (57.66mm x 67.18mm x 28.44mm).
- Product weight: 0.22 lbs. (0.1 kg).
- Shipping weight: 0.4 lbs. (0.18 kg).

Agency Approvals

c**UL**us UL/CUL Listed for Information Technology Equipment (UL 60950-1).

CE European Conformity