



Pace1PTM



### **Overview**

The Pace1PTM 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 a single twisted pair (UTP) (when paired with Pace1PRM) or Cat5e or higher cable in a PoE(+) compliant format. The Pace1PTM 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 Pace1PTM 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. They also provide a simple way to replace legacy analog products with new IP devices over single twisted pair (UTP) (when paired with Pace1PRM) or structured cable.

### **Specifications**

#### **Agency Listings:**

- UL/CUL Listed for Information Technology Equipment (UL 60950-1).
- CE approved.
- C-Tick compliant.

#### **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 Pace1PTM.
- Throughput is rated to pass 100mbps of data.

#### **UTP (single twisted pair) from Receiver to Pace1PTM:**

- Distance: up to 152m @ 100mbps.

#### **CAT5e or Higher from Receiver to Pace1PTM:**

- 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:** -4°F to 120.2°F (-20°C to +49°C).
- **Storage Temperature:** -22° to 158°F (-30° to +70°C).
- 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 CAT5 or UTP installations.
- Extend Network link distance in an industrial environment.
- Works with Megapixel, HD720, HD1080 and VGA (SD) cameras. With proper head end equipment.

#### **Mechanical:**

- Dimensions (W x L x H approx.): 3.5" x 3.5" x 1" (88.89mm x 88.89mm x 25.4mm).
- Product weight (approx.): 0.25 lbs. (0.11 kg).
- Shipping weight (approx.): 0.42 lbs. (0.19 kg).

### **Agency Approvals**



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



European Conformity



C-Tick Compliant Z1409

## **Pace Receiver / Pace Transceiver Compatibility:**

Long Range Ethernet Adapters.

4, 8 or 16 Port Receivers:  
*Pace4PRM,*  
*Pace8PRM,*  
*Pace16PRM.*

*Transceiver*  
*Pace1PTM*



*Single Port*  
*Receiver*  
*Pace1PRM*

