The PT9409 Series weatherproof pan/tilts are robust, economical units constructed with corrosion resistant hardware. These remote positioning devices are fully system compatible with CCD cameras, lenses, and housing combinations.

The 100% duty cycle motors permit continuous operation on all models. The modular gear-motors allow for "no alignment service". All-metal gearing, hardened steel drive shafts, and direct drive output offer superior reliability. Use of impedance protected motors, long life limit switches, and permanent lubricated bearings and gears reduce maintenance and provide trouble-free operation.
**Connectors:**

- **Power:** Via 7-pin connector on unit.
- **Positioning:** Via 7-pin connector on unit.
- Mating connectors provided with unit.

**Electromagnetic Compatibility**

**EMC Requirements:** CE Immunity, CE Emission Class B.

**Safety:** CE, UL, cUL.

**Mechanical**

- **Mounting:** These units are designed for either upright or inverted installations. *When mounting in an inverted position outdoors, unit must be enclosed in a weatherproof enclosure.* They can only be mounted upright or inverted; never horizontally.

  - **Pan Range (Movement in horizontal plane):** Standard Models: 0° to 345° maximum.
  - **Pan Speed:** 7.5°/sec at 60 Hz (6.3°/sec at 50 Hz).
  - **Tilt (Movement in vertical plane):** +20° to -90° from horizontal.
  - **Tilt Speed:** 3.5°/sec.
  - **Maximum Load:** 11 lb (5.0 kg) or 56.5 lb-in (65 kg-cm) torque with center of mass located 2.5 in (63.5mm) from the center of the tilt table.

**Construction:** Cast aluminum base and yoke, corrosion resistant plastic cover.

**Finish:** Light gray.

**Dimensions:** See Dimensional Outline.

**Weight:** 10.5 lbs (4.8 kg).

**Environmental**

**Temperature:**
- Operating: -4 °F to +140 °F (-20 °C to +60 °C).
- Storage: -40 °F to +140 °F (-40 °C to +60 °C).

**Vibration:** 3 g swept sine wave, 15 Hz to 2000 Hz.

**Shock:** 50 g, 1 ms, 1/2 sine.

**Enclosure:** Designed to NEMA-4, IP65/UL50, (Watertight) Enclosure Type 4X. (Upright mounting)