



## PT12-T 12KG continuously Pan & Tilt Unit

PT12-T is an updated and improved version of BWT classic series pan&tilt P16T/D. After nearly 30 years, P16T/D has been recognized as the best quality product by users. In order to meet the new requirements of modern CCTV, new pan& tilt PT12-T has greatly improved the original product in the aspects of motor life, weight reduction, noise reduction, continuous rotation, low speed operation, preset position and positioning accuracy, power consumption reduction, shock resistance and vibration resistance.

- ✧ Die-casting aluminum shell, metallic paint and polyester spraying
- ✧ High precision full gears transmission, gear backlash less than  $\pm 0.1^\circ$
- ✧ Preset position and drive positioning accuracy less than  $< 0.1^\circ$
- ✧ Range: pan  $360^\circ$  continuously, top mount tilt  $+40^\circ \sim 90^\circ$ , side mount tilt  $\pm 90^\circ$  (Optional side mount)
- ✧ Speed: pan  $45^\circ/\text{s}$ , tilt  $22^\circ/\text{s}$
- ✧ Built in telemetry receiver, RS422 interface are used to send control signal and feedback pan&tilt position information
- ✧ Rated load :12kg; the optional side mounted load can reach 20kg.
- ✧ Voltage: 24VDC, power consumption: less than 18W

# PT12-T 12KG continuously Pan & Tilt Unit

## Configuration Description:

PT12-T is top mounted type, and side mounted type is also available. The side mounted load can reach 20kg; the standard configuration is continuous rotating pan&tilt, and can also be made into non continuous rotating type according to user requirements. The continuous rotating pan&tilt base input two meter composite cable, which are power supply, ground wire, 4-core network cable and RS422 control cable. There is a 9-core aviation plug on the cover of pan&tilt cavity, which is used to connect the power supply, control and signal wire in the camera housing.



## Main Technical Specification:

- Material: Die-casting aluminum shell, other outside parts and fasteners are 316 stainless steel. The output shaft and external fasteners are 304 / 316 stainless steel, and the internal rotating parts are also made of steel
- Finish: Polyester metallic paint, light grey or silver grey
- Speed: pan 36°/s, tilt 16°/s, Variable speed
- Range: pan 360° continuously, top mount tilt +40°~ 90°, side mount tilt ±90°, software defined limit + external limit
- Operating Temperature: -20°C to +60°C
- Operating Temperature: -40°C to +60°C (with additional Heater installed)
- Normally 99 preset positions, can be up to 256
- Preset position and drive positioning accuracy less than  $<0.1^{\circ}$
- Gear clearance: less than  $\pm 0.1^{\circ}$
- Rated load :12kg; the optional side mounted load can reach 20kg.
- Unit Weight: 6Kg
- Optional additional heater ( ON:  $10^{\circ}\text{C}\pm 5^{\circ}\text{C}$  ; OFF:  $20^{\circ}\text{C}\pm 5^{\circ}\text{C}$  ); rated power consumption 14W
- Built in telemetry receiver, support Protocol : PELCO "P" or "D", RS422 interface are used to send control signal and feedback pan&tilt position information
- Options: built in telemetry receiver board in the camera housing: it can control lens zoom, focus, wiper and other auxiliary functions
- Voltage: 24VDC, power consumption: less than 18W (heater not included)
- External Dimensions: 245X170X290mm
- IP67 weather proof level

**Note:** because it is a continuous rotating pan tilt, the user can tell the specific installation of the camera or cable requirements from the pan tilt to the protective cover before ordering, and the factory can provide the corresponding composite cable according to the requirements.

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