HOYTEK

PAN & TILT



PT-3000

The PT-3000 is a robust electric pan and tilt unit engineered for the precise positioning of subsea cameras, lights, and sonar systems. It is designed to deliver reliable performance in deep-water applications down to 3000 msw.

Rugged & Lightweight Design Manufactured from high-grade Aluminum 6082, the unit features a Hard Anodized finish, providing exceptional corrosion resistance and durability in harsh marine environments while maintaining a lightweight profile. An integrated positive pressure compensator ensures reliable operation and seal integrity at depth.

Precise Control & Feedback Operated via an RS232 serial interface, the PT-3000 provides real-time position feedback for both Pan and Tilt axes, giving operators full situational awareness of their equipment's orientation. Additionally, the unit features a dedicated "Auto-Home" function, allowing the system to automatically return to its neutral starting position with a single command, streamlining complex subsea maneuvers.



TECHNICAL SPECIFICATIONS

- Dimensions: 315 x 300 x 90mm (HxLxW)
- Weight in Air: 9500g
- Weight in Water: 6300g
- Depth Rating: 3000m
- Pressure Housing Material: Marine Type Aluminum
- Connector: CRE BRA08M090022LFP03BP (Customizable)
- Voltage Input: 24VDC (Customizable)
- Communication: RS232
- Torque: 25nm
- Speed: 35 RPM
- Payload (Perpendicular to Axis) 25 Kg @ 100mm (diameter)
- Payload (Axial Loading) 20 Kg @ 75mm

Integration Support

Remote Support

ROV Training

1 Year Warranty

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HOYTEK

TILT

T-300

T-300 Tilt is specifically designed for observation-class underwater vehicles, offering a working depth of up to 300 meters. It plays a crucial role in performing the tilting function of components such as cameras and LEDs that operate underwater. This important feature enhances the versatility and effectiveness of underwater observations by providing precise positioning and adjustable angles.



The T-300 is filled with oil, ensuring excellent protection and lubrication for its internal mechanisms. This design ensures reliable performance and long-lasting durability, even in challenging underwater environments. T-300 Tilt is a reliable component used in all Hoytek observation-class underwater vehicles and can be seamlessly integrated into various systems.

TECHNICAL SPECIFICATIONS

- Dimensions: 48 (diameter) x 178mm (connector excluded)
- Weight in Air: 530g
- Weight in Water: 320g
- Depth Rating: 300m
- Pressure Housing Material: Marine Type Aluminum
- Torque: 20nm
- Communication: RS232
- Voltage Input: 24VDC (Customizable)
- Connector: MCBH6MSS (Customizable)



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