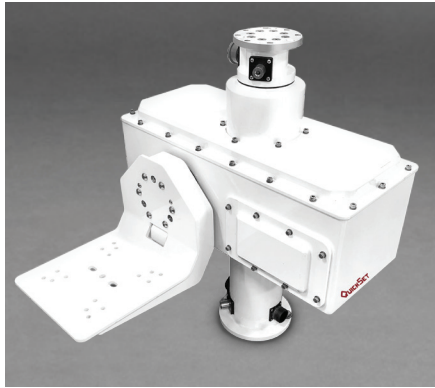


TAURUS®-R

PAN & TILT MOBILE POSITIONER



Designed and built to endure the harshest mobile or stationary environments, the Taurus design enables simple integration into existing QPT systems and allows for various platform mounting applications.

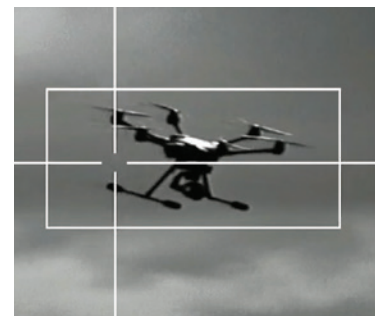
The Taurus-R supports co-located radar or other payloads that can be independently positioned from the pan & tilt.

AVAILABLE FEATURES

- RF pass-thru turret
- Balanced payloads; up to 150 lbs. mobile installations
- Fixed or mobile installations
- Mil-Spec connectors
- Marine configuration that meets IP-67 standards
- Universal wiring for sensor integration
- Thermostatically controlled heaters
- Dual HD-SDI or dual IP output

SENSOR INTEGRATION

- Radar antenna systems
- Multi-Spectrum cameras (visible / IR)
- IR and visible illuminators
- Laser range finders
- Communication antennas
- Acoustic devices



TAURUS-R SERIES

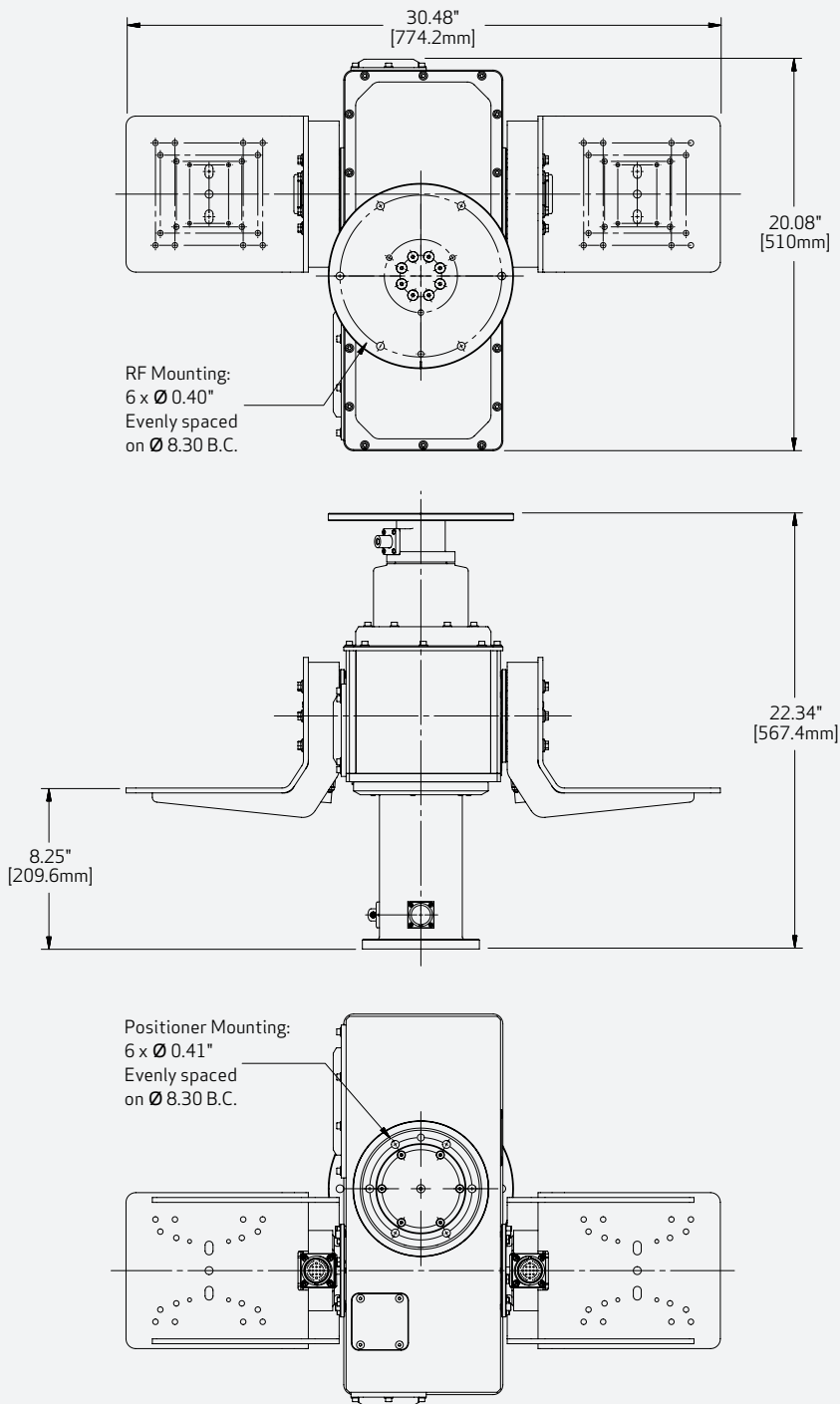
STANDARD PERFORMANCE

Features	Specifications
Load Capacity	Static and mobile applications – up to 150 lbs. (68 kg) balanced
Operating Voltage Range	24 VDC (± 4 VDC)
Total Power	Power on inrush: 6.5A – in motion: 8.6A - standby: 0.5A
Pan-Axis Range	360° continuous rotation (slip ring)
Pan-Axis Speed	0.005° – 60°/s (dependent on payload)
Tilt-Axis Range	180° (±90°)
Tilt-Axis Speed	0.005° – up to 60°/s on balanced payload
Internal Heater	Thermostatically controlled 0°C (32°F) ON • 5°C (41°F) OFF
Operating Temperature	-32°C to +55°C (-26°F to 131°F)
Rotational Limits	Fixed tilt hard limit, adjustable soft limits on both axes
Feedback	Optical encoders (0.01° readout)
Repeatability	0.05°
Motor Type / Drive	Stepper
Communication to Pan & Tilt	RS232 / 422 / 485, IP ethernet: 10/100 Base-T
Communication to Sensors	RS232 / 422, ethernet pass-through
Control Protocol	Quickset PTZ or Pelco D
Connector Specifications	Mil-Spec grade used on all configurations
Load Connector Interfaces	2 Mil-Spec connectors on each tilt axis platform
Materials	Housing 6061-T6 aluminum, stainless steel hardware, permanently sealed radial ball bearings
Finish / Color	White powder coat paint over alodined chromate for corrosion resistance standard. Other colors and CARC available upon request.
Weight	94 lbs. (43 kg)
Dimensions	See page 3
Test Cable and Software	6 ft test cable and software include
Duty Cycle	This positioner is designed for periodic movement. For applications requiring constant motion, please contact our team for solutions tailored to your use case and environment.

STANDARD PERFORMANCE

Features	Specifications
Vibration	MIL-STD-810H, method 514.8 procedure I
Mechanical Shock	MIL-STD-810H, method 516.8 procedure I

ARCHITECTURAL AND DIMENSIONAL DRAWINGS



Optional payload mounts shown are optimized for specific sensors and are subject to change. Shown for reference only.



+1.847.498.0700 | www.quickset.com | sales@quickset.com



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