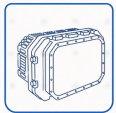


**HIGH-SPEED 360° TRACKING POSITIONER  
DELIVERING JITTER-FREE MICRO-  
DEGREE MOTION FOR REAL-TIME TARGET  
ACQUISITION OF FAST-MOVING THREATS.**



Electro-Optic



Radar



Jamming



## OUR USP'S

- Delivers continuous 360° high-speed tracking at up to 180° per second, enabling real-time target acquisition of fast-moving aerial and ground threats.
- Built-in precision controller provides jitter-free, micro-degree motion at low scanning speeds, essential for long-range optical surveillance and target identification.
- Platform-agnostic mounting architecture allows for seamless integration atop any PEL telescopic mast or tripod system for immediate mission versatility.
- Supports programmable automated sector scan patterns, allowing for autonomous wide-area surveillance without requiring constant operator input.

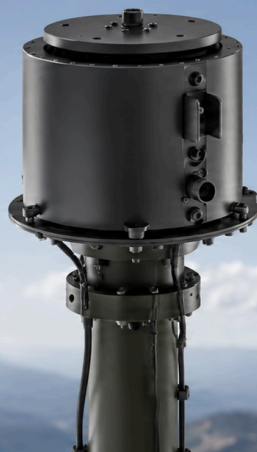
## SALIENT FEATURES

- Ruggedized IP67 housing protects precision internal gears from extreme environmental ingress, including heavy rain, blowing sand, and high-pressure washing.
- Communication interface supports standard RS422 protocols with optional high-speed Ethernet for modern IP-based command and control network integration.
- Hard-anodized finish ensures extreme thermal operation from arctic cold to desert heat, maintaining mechanical tolerances across the entire temperature spectrum.
- Low-weight mechanical design supports a massive payload capacity, enabling the rotation of heavy EO/IR arrays without sacrificing speed or accuracy.



## TECHNICAL SPECIFICATION

Model No.	Payload (kg)	Dimensions (mm)	Power Consumption	Rotational Range	Resolution mRad	Rotational speed (RPM)	Control Data Interface	Wind Area (m <sup>2</sup> )
PRMO-5M	5	180 x 144 x 220 (LXWXH)	24V DC 30 W Nominal	Continuous 360° Sector scan ± 180°	1.75	5	RS422 (Ethernet-Optional)	≤ 0.2
PRMO-35M	35	377 x 310 x 300 (LXWXH)	18-36V DC 80W Nominal	Continuous 360° Sector scan ± 180°	1.75	20	RS422 (Ethernet-Optional)	≤ 0.3
PRMO-50T	50	245 Dia x 235 H	18-36V DC 200 W Nominal	Continuous 360° Sector scan ± 180°	1.75	30	RS422 and Ethernet	≤ 0.8
PRMO-125T	125	360 Dia x 265 H	18-36V DC 350 W Nominal	Continuous 360° Sector scan ± 180°	1.75	30	RS422 and Ethernet	≤ 0.8
PRMR-50T	50	200x 200 x 250 (L x W x H)	NA	Continuous 360° / ± 180°	8.72	NA	NA	≤ 0.5
PRXX-XX	Custom product available on request							



## ACCESSORIES

Hard carrying case | Set of Cables

AS 9100D Certified

# PRECISION ELECTRONICS LTD.

"We always know who we are working for"

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Released On. PEL 18042026-D

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