

PED10

Ultra Precision Electromechanical Pan-Tilt

Zero Backlash, 0,002° Resolution, 180 °/s Speed, 30M Revolutions without Maintenance Pan-Tilt Unit for Mission Critical Applications such as Thermal Imaging and Target Tracking

APPLICATIONS

Border · Armored · UGV · Targeting · Radar · Comms mast

QUALIFIED TO **MIL-STD-810G** · **MIL-STD-461G** · EMC tested in the anechoic chamber

PAN SPEED	TILT TORQUE	AXIS RESOLUTION	ACCURACY	WEIGHT
48 °/s	185 Nm	0,002°	0,04°	16,1 kg

MAIN FEATURES

Ultra-Precision Pan-Tilt

0,002° resolution and **0,04°** accuracy with zero backlash, carrying thermal imagers and radar in mission-critical tracking.

Continuous Duty, No Maintenance

Brushless drives and a 30-million-revolution slipring let the unit run continuously with no scheduled maintenance.

STANDARD CONFIGURATION

PED10-0480-0150-0280-0185 · Tolerance **±5 %**

PERFORMANCE PARAMETERS	
Pan – Axis Range	**N × 360°**
Tilt – Axis Range	**±45°**
Axis Resolution	**0,002°**
Accuracy	**0,04°**
Weight	**16,1 kg**
SLIPRING	
Line Count	**60 pcs**
Signal 1	**1 Gbit Ethernet**

ELECTRICAL & INTERFACE	
Operating Voltage	**18-32 VDC**
Communication Interface	**RS-422**
Connector Type	**MIL-DTL-38999**
MECHANICAL DATA	
Width	**250 mm**
Height	**350-395 mm**
Depth	**202 mm**

HOW TO ORDER

Every step, option and test: **Product Catalog, page 25**

PART NUMBER	**PED10 – [pan drive] – [tilt drive] – [options]** · 24 build combinations
STEP 1 · PAN DRIVE UNIT	4 codes · Nominal Speed 28-180 °/s · Nominal Torque 60-185 Nm
STEP 2 · TILT DRIVE UNIT	6 codes · Nominal Speed 28-180 °/s · Nominal Torque 60-275 Nm
OPTIONS	**STAB** Stabilization **HNDC** Hand Controller **MPIF** Multiple Payload Interface **DLPC** Dual-Loop Control **SRSH** Sun and Rain Shield **LG##** Label Language