

PED08

Compact Electromechanical Pan-Tilt

Lightweight pan-tilt with true servo control for thermal imagers and directional antennas

APPLICATIONS

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

QUALIFIED TO **MIL-STD-810G · MIL-STD-461G**

PAN SPEED	TILT TORQUE	AXIS RESOLUTION	ACCURACY	WEIGHT
12 °/s	85 Nm	0,002°	0,04°	9,0 kg

MAIN FEATURES

Compact True Servo Pan-Tilt

A **9 kg** pan-tilt with brushless motors, a matched brushless controller and closed-loop optical encoders, replacing stepper drives at the same size.

Ready to Integrate

MIL-DTL-38999 connectors, RS-422 control with optional Ethernet, and MIL-STD-461G EMI/EMC qualification for ground and light vehicle installations.

STANDARD CONFIGURATION

PED08-0120-0060-0060-0085 · Tolerance **±5 %**

PERFORMANCE PARAMETERS	
Pan – Axis Range	**N × 360°**
Tilt – Axis Range	**±45°**
Axis Resolution	**0,002°**
Accuracy	**0,04°**
Weight	**9,0 kg**

SLIPRING	
Line Count	**60 pcs**
ELECTRICAL & INTERFACE	
Operating Voltage	**18-32 VDC**
MECHANICAL DATA	
Width	**220 mm**
Height	**287 mm**
Depth	**160 mm**

HOW TO ORDER

Every step, option and test: **Product Catalog, page 21**

PART NUMBER	**PED08 – [pan drive] – [tilt drive] – [options]** · 24 build combinations
STEP 1 · PAN DRIVE UNIT	4 codes · Nominal Speed 6-48 °/s · Nominal Torque 30-85 Nm
STEP 2 · TILT DRIVE UNIT	6 codes · Nominal Speed 6-48 °/s · Nominal Torque 30-135 Nm
OPTIONS	**STAB** Stabilization **HNDC** Hand Controller **MPIF** Multiple Payload Interface **SRSH** Sun and Rain Shield **LG##** Label Language