

PED12

Stabilized Electromechanical Pan-Tilt

High-Capacity, Motorized Pan/Tilt for Long-Range Surveillance, Homeland Security, Vehicle, and Fixed Installations

APPLICATIONS

Border **Armored** UGV Targeting Radar Comms mast

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

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

MAIN FEATURES

Stabilized High-Capacity Pan-Tilt

A gyro-stabilized U-arm positioner for long-range surveillance from vehicles, vessels and fixed sites, holding **0,04°** stabilization accuracy.

Configurable Payload Interface

The width-adjustable U-arm balances large sensor suites, on the same brushless drive train and slipring as the PED10.

STANDARD CONFIGURATION

PED12-0480-0150-0280-0185 · Tolerance **±5 %**

PERFORMANCE PARAMETERS	
Pan – Axis Range	**N × 360°**
Tilt – Axis Range	**±45°**
Axis Resolution	**0,002°**
Accuracy	**0,04°**
Stabilization Accuracy	**0,04°**
Weight	**16,1 kg**

SLIPRING	
Line Count	**60 pcs**
ELECTRICAL & INTERFACE	
Operating Voltage	**18-32 VDC**
MECHANICAL DATA	
Width	**430 mm**
Height	**445 mm**
Depth	**270 mm**

HOW TO ORDER

Every step, option and test: **Product Catalog, page 29**

PART NUMBER	**PED12 – [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