

LUXUS Dual 360° P/T

Heavy-duty pan-and-tilt unit



The LUXUS Dual 360° P/T (Pan & Tilt) has been designed to combine operational and service flexibility, excellent performance and ensured reliability. The sturdy design makes LUXUS Dual 360° P/T ideal for heavy-duty operations.

The design is based on a sandblasted titanium housing which permits a working depth of 4000 metres. The housing is strong, corrosion-resistant and non-oxidising for a long lifespan and minimal servicing.

The unique properties of the LUXUS Dual 360° P/T also feature qualities like a high torque of 100 Nm. Besides, this LUXUS product is the first pan-and-tilt unit to be featuring unlimited movements of both pan and tilt rotating continuously which is made possible by means of the slip rings mounted. This facilitates operation at all angles and full-scale activation.

Features and benefits

- Continuous rotating at both axes
- Air filled
- 4000 m depth rating
- Titanium housing
- SubConn® connectors
- High payload
- High torque
- No cable spiders
- Accurate positioning with feedback function
- Low power consumption

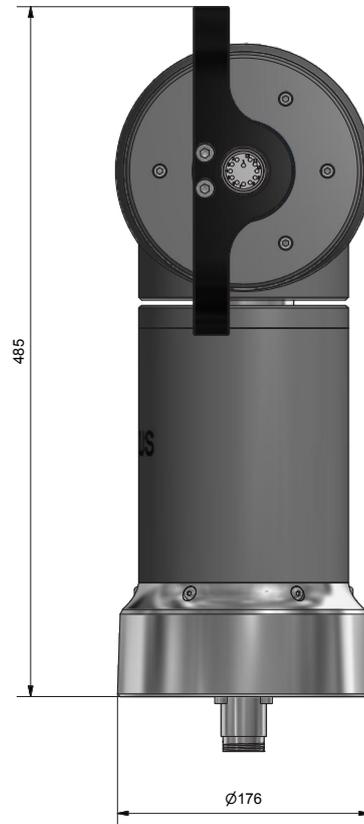
Applications

- P&T for cameras and lights
- P&T for sonar equipment
- P&T for instruments
- Design engineering jobs
- Work class ROVs
- Rock dump ROVs
- Trenchers and ploughs
- Surveillance market

Options

- Custom wiring
- Custom brackets
- LUXUS universal mounting bracket
- Control software
- Other connectors on request
- Available with different wire layouts for video, ethernet, data signals and power
- Analogue video, ethernet and other digital media
- Dedicated LUXUS P&T controller





Specifications

Electrical

Power supply:	24 VDC, 1 A (max.) for complete system
Power consumption:	24 W (max.)
Brake release:	0.25 A @ 24 VDC per axis
Torque:	100 Nm
Payload (max):	100 kg
Rotation speed:	Variable, 90° to 360°/minute
Gear backlash:	<math>< 0.6^\circ</math>
Scan range (both axes):	Unlimited
Feedback encoder	+/-0.1°
Resolution:	+/-0.1°
Control protocol type:	RS-232, LUXUS software
Supported baud rates:	9.6 Kbaud (other baud rates on request)

Mechanical

Housing material:	Titanium
Dimensions:	See drawing (mm)
Weight:	Approx. 35 kg in air Approx. 25 kg in water
Standard connectors:	FCR2012M Ti SubConn (2x), BCR2012F Ti SubConn (1x)
Housing mounting:	M8x1.25 (6x) @ pan housing
Mounts (optional):	Custom specific, yoke bracket and LUXUS P&T bracket

Environmental

Depth rating:	4000 m
Operating temperature:	-10°C to +50°C
Storage temperature:	-20°C to +60°C