

## 8. Specifications

### Electrical:

Input Voltage	10-48 VDC
Drive Current	300mA – 2.0 A each axis
Communication	100 Mb Ethernet, Analog, RS-485 or RS-232
Connector	Customer selectable

### Mechanical:

Angular Limits	Pan range: $\pm 175^\circ$ , Tilt range: $\pm 175^\circ$ (single sided yoke) or about $\pm 110^\circ$ (dual sided yoke)
Angular Speed	Up to 30 deg/sec (Pan and Tilt simultaneously)
Single Step angle	0.018 deg
Position Feedback	12 bit resolution absolute (approx. $0.1^\circ$ )
Gears	Precision strain wave
Backlash	< 3 arc minutes (approx. $0.05^\circ$ )
Materials	Hard anodized Aluminum, Stainless Steel or Titanium

### Environmental:

Operating Depth	Down to 6000 m (20,000 ft.)
Temperature Range	-20°C to +50°C (-4°F to +122°F) operating -30°C to +60°C (-22°F to +140°F) storage

### Others:

Average Torque	10 Nm
Peak Torque	15 Nm
Max Payload dual yoke <sup>1)</sup>	20 kg
Max Payload single yoke <sup>1)</sup>	10 kg
Size (H/W/D) (Flange Ø120 mm)	238 x 130 x 88 mm
Weight in Air <sup>2)</sup>	5.2 kg
Weight in Water <sup>2)</sup>	3.4 kg

### Notes:

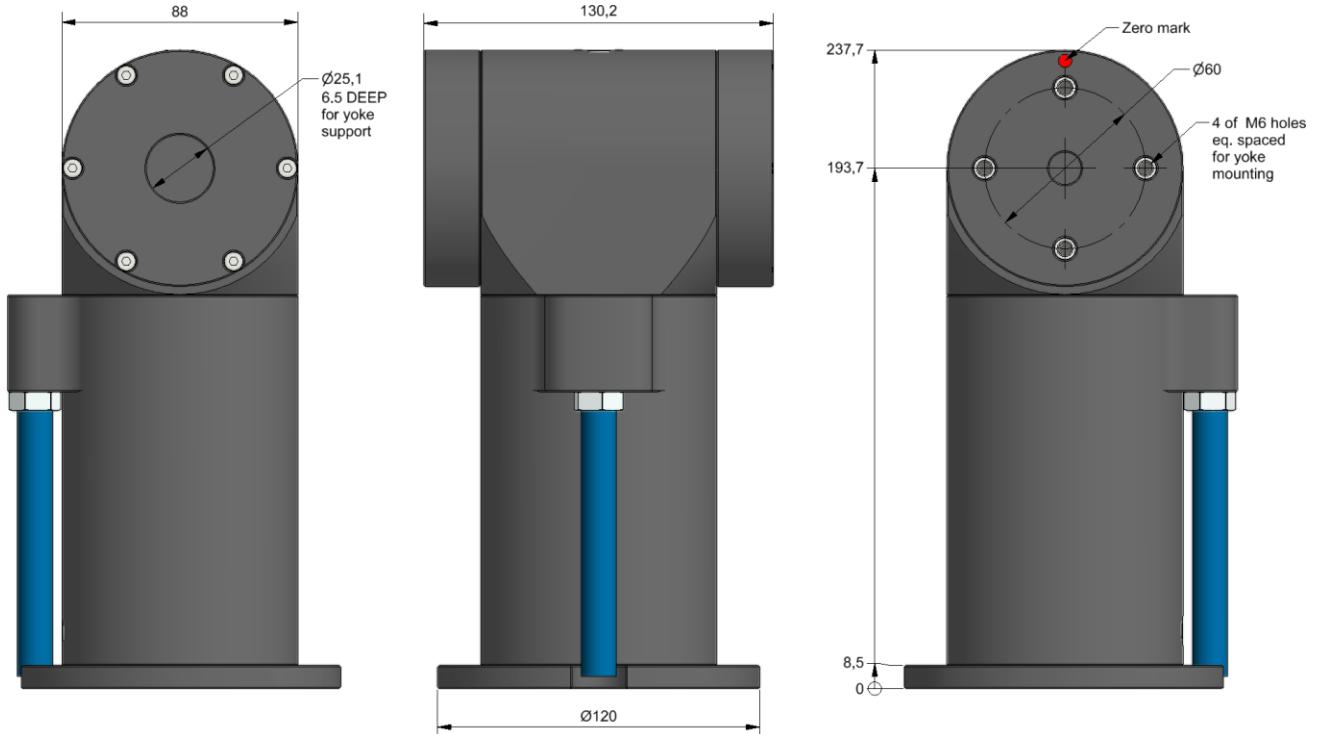
- 1) Payload: Attached device weight in air
- 2) Weight for aluminium housing and without oil filling

**Mounting Brackets can be delivered on request.**

## 9. Appendix

### 9.1. Unit dimensions

Projection:   
Dimensions in millimeter



Mounting holes: (bottom view)

