

Lelantos is a family of market leading Pan Tilt Units which deliver true zero backlash and maintenance free operation with ultra smooth and accurate payload positioning.



Designed for demanding applications, these direct-drive PTUs offer exceptional accuracy and reliability and are easy to integrate to your payload.

Whether you're tracking targets in a defence application, capturing high quality video in broadcast, or pointing free space optical / RF communication arrays, to mention but a few use cases, Lelantos provides the robust and adaptable pointing solution you need.

High Performance Direct-Drive Pan Tilt Units



Precision

Overview's direct-drive Lelantos Pan Tilt Units deliver exceptional accuracy and repeatability levels of up to 0.005°, delivering precise, smooth, and repeatable motion.



Payload

Lelantos offers a range of models with payload capacities up to 15kg and more, accommodating a wide variety of payloads.



Agility

Speed range, from 0.05°/s up to 720°/s allows for highly agile movement between positions. Lelantos' unique direct-drive technology make it the most agile Pan Tilt Unit in the market today.



Direct-Drive

Overview's Integrated Servo Drives underpin all our Lelantos Pan Tilt Units delivering true zero backlash motion in a compact footprint, resulting in low SWaP-C solutions and class leading performance.



High Bandwidth

With options for high performance hybrid optical/copper slirings Overview's Lelantos Pan Tilt Units are a perfect match when high bandwidth payloads are being considered.



Continuous Motion

Overview's Lelantos direct-drive Pan Tilt Units offer continuous motion in both Pan and Tilt at velocities up to 720°/s.

Technical Summary

Torque: up to 4Nm in Pan & Tilt

Pan/Tilt speed: 0.05°/s to 720°/s

Pan/Tilt range: 360° with continuous rotation

Typical payload weight: up to 15kg

Unit weight: varies from 5kg up to 8.5kg

Repeatability: Up to 0.005°

Control: USB, I²C or CAN control variants

IP Rating: IP68

Slirping: Copper slirping with optional Hybrid / Optical slirping on selected products

Payload mounting: Options including tripod screw, M5 optical breadboard configuration, or custom solution

Typical Applications

Lelantos is integrated into many systems requiring a precision pointing solution, including:

- Camera systems
- Volumetric measurement devices / LIDARs
- Communication systems including
 - Free Space Optical Communication
 - RF links
- Lighting
- Radar

Compare Lelantos Variants

	1000	2000	3000
Size (H x D x W) mm <i>Excl. payload & mount</i>	362 x 162 x 162	365 x 150 x 190	506 x 190 x 190
Unit weight Kg	5	5	8.5
Torque (Pan / Tilt) Nm	3 / 3	4 / 3	4 / 4
Drive Voltage V DC	48	48	48
Typical payload weight Kg	<4	<10	<15
Motion Speed°/s <i>Payload dependant</i>	450	720	450
Copper slirping <i>Number of available pass throughs</i>	6 plus power and ground	4 plus CAN power and ground	5 plus CAN power and ground
Optical slirping (optional)	N/A	Hybrid	Hybrid



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