

The Popular LeddarOne Altimeter for Drones/UAS Now More Affordable

QUEBEC CITY, CANADA, February 25, 2016 – [LeddarOne](#), the novel optical range finder from LeddarTech that was recently introduced for drone altimetry applications, is now being offered at the affordable price of \$115. Rapidly growing demand in the UAS market for highly reliable height-above-ground measurement sensors that feature the patented Leddar technology has motivated the reduced pricing structure, a clear indication of LeddarTech’s strong commitment to supporting this industry’s rapid evolution.

“The initial success of LeddarOne for drones allows us to generate increasing volumes and deliver the popular sensor module with the same great features and performance levels at lower price points, which will undoubtedly appeal to both large UAS manufacturers and specialized integrators alike,” said Luc Langlois, Vice-President Marketing at LeddarTech.

LeddarOne optical altimeters measure the backscattered signal from infrared light pulses to deliver fast and highly accurate height-above-ground-level (AGL) measurements, which fulfill the drone market’s stringent requirements for takeoff and landing applications as well as in-flight height AGL measurements—both outdoors and indoors.

The compact, lightweight sensor modules leverage Leddar’s unmatched cost-performance ratio to deliver a larger detection zone, better sensitivity, and increased accuracy, compared with competing solutions, over the full range of operating conditions (temperature, ambient light, and weather).

The LeddarOne benefits from the same unique Leddar signal processing algorithms being implemented in the automotive sector as well as in a variety of other applications, which span from cinematography auto-focus devices to highway speed enforcement systems.

LeddarOne sensor modules are available for purchase immediately from the [RobotShop](#) online store as well as from the [LeddarTech](#) website.

LeddarOne Optical Range Finder specifications

- Three-degree field of view, diffuse infrared-light source (eye-safe LED light source)
- Rapid data acquisition time, up to 70 Hz
- Very compact: 2” diameter
- Lightweight: 14 g
- Detection range: 0 – 15 m on natural targets (up to 40 m on reflective targets)

LeddarOne key benefits

- Proven reliability, even in harsh conditions
- Immune to ambient light
- No moving parts, for ultimate robustness
- Easy to integrate, includes Leddar Enabler SDK
- Low power consumption
- Best cost/performance ratio

About LeddarTech (www.leddartech.com)

Founded in 2007 as a successful spin-off of Canada's leading optics and photonics research institute, LeddarTech® is the world's only supplier of advanced detection and ranging systems based on patented, leading-edge sensing technology that performs time-of-flight measurement using pulses from infrared light processed through innovative algorithms, detecting a wide range of objects in various environmental conditions. Leddar technology is highly adaptable, serves multiple markets and comes in different formats, providing brand owners and OEMs with a solution that meets their needs while ensuring quick and simple integration.

Learn more about [LeddarTech solutions for drone/UAS](#)

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