

Laserdyne



Laserdyne Pty Ltd, based in Australia, is a specialist in advanced laser rangefinding technology and rugged displays designed for high-performance defense and surveillance operations. Each system is engineered for integration into fire control systems, tracking, and reconnaissance platforms across land, sea, and air domains.



Laserdyne systems

Laserdyne systems are engineered to meet harsh military environments with features such as:

- Digital ranging with high target discrimination
- Wide input voltage tolerances
- Operation in shock, vibration, and extreme temperatures
- OEM-ready for integration with weapon stations, gimbals, and sensor payloads



IPP ensures local expertise, timely service, and long-term product support

Laserdyne offers a diverse range of compact, enclosed, and open-frame laser rangefinder (LRF) modules designed for tactical and platform mounting, enabling seamless integration into defense and aerospace applications.

Each model is tailored to meet the industry's varying needs in terms of power, range performance, and intended application—from UAVs and portable systems to naval-grade solutions capable of tracking targets at extreme distances. Laserdyne's **RangePRO** series delivers precision-targeting capabilities with operational flexibility and rugged construction.

Laserdyne develops advanced laser technologies engineered for precision, reliability, and adaptability across diverse sectors. They integrate cutting-edge photonics, sensor fusion, and optoelectronic innovation to deliver solutions that excel in accuracy and dependability. Laserdyne also offers a comprehensive portfolio of **display systems**. Their displays combine high resolution with durability in extreme environments, supporting critical decision-making in cockpits, land vehicles, and field operations.

IPP, with over 50 years of technical distribution experience, provides European-based diagnostics, repairs, and product support—ensuring reliable field performance and responsive local service.

Laserdyne's RangePRO series delivers precision-targeting capabilities with operational flexibility and rugged construction. From light UAVs to naval vessels, Laserdyne LRFs offer configurable range, accuracy, and integration features. **IPP**, with over 50 years of technical distribution experience, provides **European-based diagnostics, repairs, and product servicing**—ensuring lasting field performance with local support.

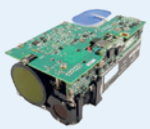
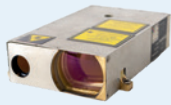
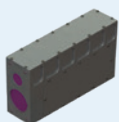
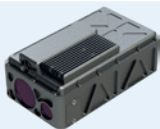
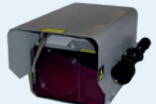


For further information
about Laserdyne products,
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Technical comparison table: laserdyne LRF models

Model	Key use & features	Range (m)	Repetition rate	Range accuracy (m)
 LRF-9698	Miniature, low-power LRF for, remote weapon stations, anti-drone, and surveillance	20,000 (max) / 8,000 (vehicle)	1 Hz / Up to 5 Hz	±2 [4rms over 10 shots]
 LRF-3633	Compact open-frame LRF with extended detection performance	25,000 (max) / 10,100 (vehicle)	12 shots/min short bursts at 1 Hz	±2 (typ.), [4 rms over 10 shots]
 HPCL-10K0	Compact open-frame LRF for thermal cameras, gimbals, and UAVs	20,000 (max) / 10,000 (vehicle)	12 shots/min short bursts at 1 Hz	±2 (typ.), [4 rms over 10 shots]
 LRF-64XX	Shielded LRF for integration into remote weapons stations and gimbals in demanding environments	40,000 (max) / 12,400 (vehicle)	12 shots/min; bursts at 1 Hz	±5 (typ.)
 L5LGH	Enclosed OEM LRF; popular form factor with improved range	20,000 (max) / 6,200 (vehicle)	12 shots/min; bursts at 1 Hz	±3 (typ.)
 P-102	Compact enclosed OEM LRF, high repetition ranging with extended range performance	30,000 (max) / 9,000 (vehicle)	1 Hz cont. / 10 Hz (with duty cycle)	±1 (typ.)
 L-GM5	Enclosed LRF for ground-based or vehicle-mounted systems	40,000 (max) / 13,000 (vehicle)	5 Hz cont. / 10 Hz (with cycle)	±2.5 [1m rms]
 L-GM20	Enclosed model; high-rate rangefinding	40,000 (max) / >13,500 (vehicle)	10 Hz cont. / 20 Hz burst (with duty cycle)	±2.5 [1m rms]
 L-NAV30K	Naval-grade LRF system for maritime platforms	30,000 (max) / >12,000 (vehicle)	15 Hz cont. / 30 Hz burst (with duty cycle)	±2.5 [1m rms]

Note: Range values depend on target reflectivity and atmospheric conditions. All models tested under standard visibility (23.5 km).