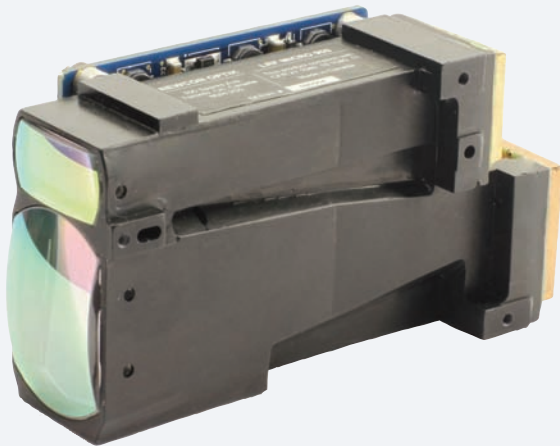


LRF MICRO 1550 CI

LASER RANGEFINDER



Designed for OEM integration, Newcon Optik's LRF MICRO 1550 CI module provides accurate measurements for fire control systems, industrial machinery, border surveillance stations, weapon mounted systems and countless other applications. The MICRO 1550 CI unit is barely larger than a deck of cards. The LRF MICRO 1550 CI is one of four members of the MICRO family (MICRO, MICRO CI, MICRO 1550).

The unit ranges accurately out to 5.500m (2,000 to NATO target) and utilizes a 1550nm laser that cannot be seen by image intensified night vision systems, making it ideal for defense applications. The MICRO series supports the USB interface. Other features include gating capability, fast scan mode, speed measurement, and object selection among others.

| Rangefinder | LRF MICRO 1550 CI |
|---|--------------------------|
| Eye safety | Class 1, eye-safe |
| Wavelength (nm) | 1550 |
| Specific measurement range, (m): | |
| Vehicle size NATO target, 2.3 x 2.3, albedo 0.3 | 3,000 |
| Human size NATO target, 1.0 x 1.0, albedo 0.1 | 1,000 |
| Conditions: Visibility \geq 14km | |
| Distance measurement accuracy (m) | \pm 1 |
| Azimuth measurement accuracy ($^{\circ}$) | \pm 1 |
| Inclination measurement accuracy ($^{\circ}$) | \pm 1 |
| Beam divergence, mrad | 1.6 x 0.4 |
| Speed detection | ✓ |
| Measuring time, distance (seconds) | 0.1 - 0.7 |
| Simultaneously detected targets | Multiple |
| First/last target logic | ✓ |
| Gating capability | ✓ |
| Gating step (m) | 100 |
| Mechanics, Electronics & Environmental | |
| Dimensions without compass (mm) | 88x48x30 |
| Weight (g) | 120 (CI) |
| Interface | UART, USB |
| Power source | 5 - 15V DC |
| Operating temperature range ($^{\circ}$ C) | -40 to +50 |
| Storage temperature range ($^{\circ}$ C) | -40 to +60 |



LRF MICRO 1550 CI

LASER RANGEFINDER



DELIVERY SET

Supplied with the following standard accessories:

- Communication/power cable
- LRF communication protocol documentation
- Operation manual
- Hard transport case

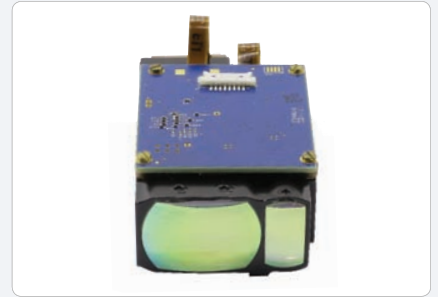
ACCESSORIES



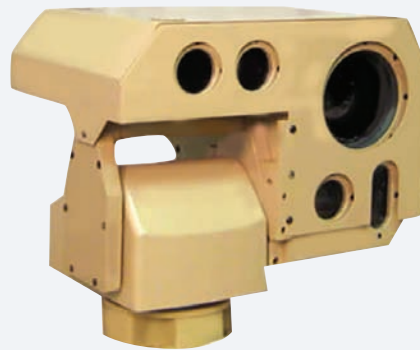
Delivery Set



Back View



Rear View



Typical use of LRF MICRO (1550) CI
Image courtesy of IEC infrared systems



Canadian Loonie shown for comparison

