

SPD MINI – NIGHT VISION & THERMAL

SPD1200N4

LASER CLASS

CLASS 1

IEC 60825-1

A compact 905 nm ranging module for civil electro-optical products, covering 0.2–1,200 m over UART-TTL — the N-series variant with the fewest published mechanical specifics; confirm dimensions and weight with ERDI before design-in.

MAX RANGE	ACCURACY	WEIGHT	INTERFACE
0.2–1,200 m	±0.3 m (≤100 m)	On request	UART-TTL

TECHNICAL SPECIFICATIONS

FULL SHEET

Laser wavelength	905 ± 5 nm
Ranging distance	0.2–1,200 m (strong sunlight or low visibility may reduce range)
Ranging accuracy	±0.3 m (≤100 m) · ±0.3 m + D×0.7% (100–1,200 m)
Interface	UART-TTL (customizable)
Supply voltage	3.3–5 V
Measurement frequency	On request
Dimensions	On request
Weight	On request
Laser safety class	On request
Operating temperature	On request
Protection rating	On request



APPLICATION FIT

- NIGHT VISION
- THERMAL IMAGING
- CIVIL OPTICS

Standard 8-byte UART frame (0x55 0xAA header, function code, 4 data bytes, checksum); distance returned ×10 for a one-decimal reading. Full integration manual ships with samples.