

NX-5 / NX-7

LRF MICRO NX Series



NX-5



NX-7

LRF MICRO NX Series (NX-5 / NX-7) Designed for seamless OEM integration, Newcon Optik's LRF MICRO NX Series laser rangefinder modules deliver high-precision distance measurement for fire control systems, weapon-mounted platforms, border surveillance stations, industrial machinery, and other space-constrained applications. Barely larger than a deck of cards, the NX Series combines compact form factor with extended ranging performance.

The LRF MICRO NX-5 provides accurate ranging out to 5 km, while the NX-7 extends performance to 7 km. Both models utilize a 1550 nm eye-safe laser, invisible to image-intensified night vision devices, making them ideal for military and security operations. The NX Series supports USB interfaces and advanced features including gating capability, fast scan mode, speed measurement, and object selection.

Model	NX-5	NX-7
Eye safety	Class 1, eye-safe	Class 1, eye-safe
Wavelength (nm)	1550	1550
Specific measurement range, (m):		
Vehicle size NATO target, 2.3 x 2.3, albedo 0.3	5,000	7,000
Human size NATO target, 1.0 x 1.0, albedo 0.1	2,000	3,000
Conditions: Visibility ≥14km		
Distance measurement accuracy (m)	±2	±2
Azimuth measurement accuracy (°)	±1	±1
Inclination measurement accuracy (°)	±1	±1
Beam divergence, mrad	0.5	0.3
Measuring time, distance (seconds)	0.1 - 0.7	0.1 - 0.7
Simultaneously detected targets	Multiple	Multiple
Gating capability	Yes	Yes
Gating step (m)	20	20
Mechanics, Electronics & Environmental		
Dimensions without compass (mm)	53x37x24	53x23x47
Weight (g)	50	55
Interface	TTL	TTL
Power source	5 - 15V DC	5 - 15V DC
Operating temperature range (°C)	-40 to +60	-40 to +60
Storage temperature range (°C)	-50 to +70	-50 to +70

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DELIVERY SET

Supplied with the following standard accessories:

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

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