# **LRM 3500M**

#### LASER RANGEFINDER MONOCULAR

Part Number: NC-35BT



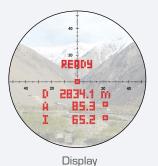


This device compatible with:









The LRM 3500M-35BT is the world's most advanced miniaturized laser rangefinder monocular. Weighing just 460 grams, the LRM 3500M-35BT is capable of measuring distance to targets out to 6 kilometers, but what truly sets this device apart from the rest is its built-in GPS receiver allowing for user and target coordinate measurement, digital magnetic compass, inclinometer, bright LED display, Bluetooth capability, Kestrel ballistic calculator and fully ruggedized design. Users can now communicate with the LRM 3500M-35BT using Newcon Optik's new NC Cronus app. The LRM 3500M-35BT is the ideal tool for professionals who depend on the accuracy and ruggedness of their equipment to get the job done.

Chipiective lens diameter (mm)   30   7 / 124	Optics	
Field of view (*/mils) 7/124  Eye relief (mm) 20  Diopter adjustment renge ±5  Rangefinder  Eye safety Class 1, eye-safe  Bel Comp, AFS, PC, BT, Android**, Available plug-ins for CivTAK/ATAK  Wavelength (mm) 1550  Range capability (m) 10 - 6,000  Specified range capability (m)* 10 - 3,500  Specified range to a man size target (m) 10 - 1,500  Inclination ensurement accuracy (mils) ±1420  Distance measurement accuracy (mils) ±17.5 (Optional ±10)  Inclination measurement accuracy (mils) ±17.5 (Optional ±10)  Inclination measurement accuracy (mils) ±8.8 (Optional ±5)  Specid detection	Magnification (x)	6.5
Eye relief (mm) 20 Diopter adjustment renge ±5  Rangefinder Eye safety Class 1, eye-safe Peripheral Compatibility Bal Comp, AFS, PC, BT, Android™, Available plug-ins for CivTAK/ATAK Wavelength (nm) 1550 Range capability (m) 10 - 6,000 Specified range capability (m)* 10 - 1,500 Inclinometer range (mils) 10 - 1,500 Inclinometer range (mils) ±1420 Distance measurement accuracy (m) ±1 Distance units m / yds Azimuth measurement accuracy (mils) ±27.5 (Optional ±10) Inclination measurement accuracy (mils) ±8.8 (Optional ±5) Speed detection - Compass & inclinometer units '/mils Time to Power (seconds) Time to Power (seconds) Time to Power (seconds) Tirristy-last target logic Yes Target discrimination (m) 50 Scan mode Last 10 readings recall Yes Distance between objects Horizontal distance between objects Yes Azimuth difference between objects Yes Height difference between objects Height difference between objects Yes Etched reticle range horizontal / vertical (mils) 120 / 60 User GPS coordinates	Objective lens diameter (mm)	30
Angefinder Rangefinder Eye safety Class 1, eye-safe Peripheral Compatibility Bal Comp, AFS, PC, BT, Android™, Available plug-ins for CivTAK/ATAK Wavelength (nm) 1550 Range capability (m) 10 - 6,000 Specified range capability (m)* Specified range capability (m)* Specified range to a man size target (m) Inclinometer range (mile) Distance measurement accuracy (m) Listance units Azimuth measurement accuracy (mils) Speed detection Compass & inclinometer units First Last target logic First/last target logic First/last target logic First/last target logic For ande Last 10 readings recall Distance between objects Azimuth difference between objects Azimuth difference between objects Azimuth difference between objects Fetched reticle step (mils) 120 / 60 User GPS coordinates	Field of view (°/mils)	7/ 124
Rangefinder           Eye safety         Class 1, eye-safe           Peripheral Compatibility         Bal Comp, AFS, PC, BT, Android™, Available plug-ins for CivTAK/ATAK           Wavelength (nm)         1550           Range capability (m)         10 - 6,000           Specified range capability (m)*         10 - 3,500           Specified range to a man size target (m)         10 - 1,500           Inclinometer range (mils)         ±1420           Distance measurement accuracy (m)         ±17.5 (Optional ±10)           Inclination measurement accuracy (mils)         ±8.8 (Optional ±5)           Speed detection         -           Compass & inclinometer units         '/mils           Time to Power (seconds)         <1	Eye relief (mm)	20
Eye safety Class 1, eye-safe Peripheral Compatibility Bal Comp, AFS, PC, BT, Android™, Available plug-ins for CivTAK/ATAK Wavelength (nm) 1550 Reange capability (m)* 10 - 6,000 Specified range capability (m)* 10 - 1,500 Inclinometer range (mals) 10 - 1,500 Inclinometer range (mils) 10 - 1,500 Inclinometer range (mils) 11 - 1,500 Inclinometer range (mils) 12 - 1,500 Inclinometer range (mils) 12 - 1,500 Inclinometer range (mils) 12 - 1,500 Inclination measurement accuracy (mils) 12 - 1,500 Inclination of ifference between objects 12 - 1,500 Inclination difference between two objects 14 - 1,500 Inclination	Diopter adjustment range	±5
Peripheral Compatibility  Bal Comp, AFS, PC, BT, Android™, Available plug-ins for CivTAK/ATAK  Wavelength (nm)  1550  Range capability (m)  10 - 6,000  Specified range capability (m)*  Specified range to a man size target (m)  Inclinometer range (mils)  Distance measurement accuracy (m)  Distance units  Azimuth measurement accuracy (mils)  Speed detection  Compass & inclinometer units  Time to Power (seconds)  Time to Power (seconds)  Target discrimination (m)  Scan mode  Last 10 readings recall  Distance between objects  Horizontal distance between objects  Azimuth difference between objects  First (High III)  Height difference between objects  Etched reticle range horizontal / vertical (mils)  Horizontal distance bervance of the processor of	Rangefinder	
Wavelength (nm)         1550           Range capability (m)         10 - 6,000           Specified range capability (m)*         10 - 3,500           Specified range to a man size target (m)         10 - 1,500           Inclinometer range (mils)         ±1420           Distance measurement accuracy (m)         ±1           Distance units         m / yds           Azimuth measurement accuracy (mils)         ±17.5 (Optional ±10)           Inclination measurement accuracy (mils)         ±8.8 (Optional ±5)           Speed detection         -           Compass & inclinometer units         */mils           Time to Power (seconds)         <1	Eye safety	Class 1, eye-safe
Range capability (m)  Specified range capability (m)*  Specified range to a man size target (m)  Inclinometer range (mils)  Distance measurement accuracy (m)  Distance units  Azimuth measurement accuracy (mils)  Inclination measurement accuracy (mils)  Inclination measurement accuracy (mils)  Inclination measurement accuracy (mils)  Inclination measurement accuracy (mils)  Speed detection  Compass & inclinometer units  Speed detection  -  Compass & inclinometer units  '/mils  Time to Power (seconds)  I rarget discrimination (m)  Soan mode  Last 10 readings recall  Yes  Last 10 readings recall  Yes  Distance between objects  Horizontal distance between objects  Azimuth difference between objects  Height difference between objects  Yes  Etched reticle step (mils)  Etched reticle range horizontal / vertical (mils)  User GPS coordinates  Yes  Occurrence  10 - 6,000  10 - 3,500  10 - 1,500  10 - 1,500  10 - 1,500  11 - 1,500  10 - 1,500  11 - 1,500  120 / 60  User GPS coordinates	Peripheral Compatibility	Bal Comp, AFS, PC, BT, Android™, Available plug-ins for CivTAK/ATAK
Specified range capability (m)*  Specified range to a man size target (m)  Inclinometer range (mils)  Distance measurement accuracy (m)  Distance units  M / yds  Azimuth measurement accuracy (mils)  Speed detection  Compass & inclinometer units  First/last target logic  Target discrimination (m)  Scan mode  Last 10 readings recall  Distance between objects  Horizontal distance between objects  Height difference between objects  Height difference between objects  Etched reticle range horizontal / vertical (mils)  Last GPS coordinates  10 - 3,500  10 - 1,500  10 - 1,500  11 + 1420  12 - 1,500  14 + 17.5 (Optional ±10)  14 + 17.5 (Optional ±10)  14 + 17.5 (Optional ±10)  15 (Optional ±10)  16 - 1,500  17 (m/yds)  18 - 1,500  19 - 1,500  19 - 1,500  10 - 1,500  10 - 1,500  11 + 1420  12 - 1,500  13 - 1,500  14 + 1420  14 - 1,500  14 - 1,500  14 - 1,500  15 - 1,500  16 - 1,500  17 - 1,500  18 - 1,5	Wavelength (nm)	1550
Specified range to a man size target (m) Inclinometer range (mils) Inclinometer range (mils) Inclinometer range (mils) Inclinometer range (mils) Inclination measurement accuracy (m) Inclination measurement accuracy (mils) Inclination (m)	Range capability (m)	10 - 6,000
Inclinometer range (mils)  Distance measurement accuracy (m)  Distance units  Azimuth measurement accuracy (mils)  Azimuth measurement accuracy (mils)  Inclination measurement accuracy (mils)  Distance units  Azimuth measurement accuracy (mils)  Inclination measurement accuracy (mils)  Exercised detection  Compass & inclinometer units  Extended reticle step (mils)  Compass & inclination units  Compa	Specified range capability (m)*	10 - 3,500
Distance measurement accuracy (m)  Distance units  Azimuth measurement accuracy (mils)  Inclination difference between objects  Inclination difference betwe	Specified range to a man size target (m)	10 - 1,500
Distance units	Inclinometer range (mils)	±1420
Azimuth measurement accuracy (mils)    17.5 (Optional ±10)     10.5 (Inclination measurement accuracy (mils)   ±8.8 (Optional ±5)     10.6 (Inclination measurement accuracy (mils)   ±8.8 (Optional ±5)     10.6 (Inclination measurement accuracy (mils)   ±8.8 (Optional ±5)     10.6 (Inclination measurement accuracy (mils)   ±8.8 (Optional ±10)     10.6 (Inclination measurement accuracy (mils)   ±10.5 (Inclination measurement accuracy (m	Distance measurement accuracy (m)	±1
Inclination measurement accuracy (mils)  Speed detection  Compass & inclinometer units  '/mils  Time to Power (seconds)  First/last target logic  Target discrimination (m)  Scan mode  Last 10 readings recall  Distance between objects  Horizontal distance between objects  Azimuth difference between objects  Height difference between objects  Height difference between objects  Etched reticle step (mils)  Last 10 readings recall  Yes	Distance units	m / yds
Speed detection - Compass & inclinometer units '/mils Time to Power (seconds) <1 First/last target logic Yes Target discrimination (m) 50 Scan mode Yes Last 10 readings recall Yes Distance between objects Yes Horizontal distance between objects Yes Azimuth difference between objects Yes Inclination difference between two objects Yes Height difference between objects Yes Etched reticle step (mils) 1 Etched reticle range horizontal / vertical (mils) Yes User GPS coordinates	Azimuth measurement accuracy (mils)	±17.5 (Optional ±10)
Compass & inclinometer units  'mils  Time to Power (seconds)  First/last target logic  Target discrimination (m)  Scan mode  Last 10 readings recall  Distance between objects  Horizontal distance between objects  Azimuth difference between objects  Height difference between objects  Height difference between objects  Height difference between objects  Yes  Etched reticle step (mils)  120 / 60  User GPS coordinates	Inclination measurement accuracy (mils)	±8.8 (Optional ±5)
Time to Power (seconds)  First/last target logic  Target discrimination (m)  Scan mode  Last 10 readings recall  Ves  Distance between objects  Horizontal distance between objects  Azimuth difference between objects  Height difference between objects  Height difference between objects  Etched reticle step (mils)  Last 10 readings recall  Yes  Yes  Yes  Horizontal distance between objects  Yes  Inclination difference between objects  Yes  Etched reticle step (mils)  1  Lactor of O  Yes  User GPS coordinates	Speed detection	-
First/last target logic  Target discrimination (m)  Scan mode  Last 10 readings recall  Distance between objects  Horizontal distance between objects  Azimuth difference between objects  Height difference between two objects  Height difference between objects  Yes  Etched reticle step (mils)  Last 10 readings recall  Yes  Yes  Yes  Yes  Inclination difference between objects  Yes  Etched reticle range horizontal / vertical (mils)  Yes  User GPS coordinates	Compass & inclinometer units	°/mils
Target discrimination (m)  Scan mode  Yes  Last 10 readings recall  Distance between objects  Horizontal distance between objects  Yes  Azimuth difference between objects  Yes  Inclination difference between two objects  Height difference between objects  Yes  Etched reticle step (mils)  Etched reticle range horizontal / vertical (mils)  User GPS coordinates	Time to Power (seconds)	<1
Scan mode Last 10 readings recall Pes Distance between objects For season objects For sea	First/last target logic	Yes
Last 10 readings recall  Distance between objects  Horizontal distance between objects  Azimuth difference between objects  Azimuth difference between objects  Inclination difference between two objects  Height difference between objects  Yes  Etched reticle step (mils)  Etched reticle range horizontal / vertical (mils)  User GPS coordinates  Yes  Yes  120 / 60  Yes	Target discrimination (m)	50
Distance between objects  Horizontal distance between objects  Azimuth difference between objects  Inclination difference between two objects  Height difference between objects  Yes  Etched reticle step (mils)  Etched reticle range horizontal / vertical (mils)  User GPS coordinates  Yes  Yes  120 / 60  Yes	Scan mode	Yes
Horizontal distance between objects  Azimuth difference between objects  Inclination difference between two objects  Height difference between objects  Yes  Height difference between objects  Yes  Etched reticle step (mils)  Etched reticle range horizontal / vertical (mils)  User GPS coordinates  Yes  Yes  Yes	Last 10 readings recall	Yes
Azimuth difference between objects Inclination difference between two objects Yes Height difference between objects Yes Etched reticle step (mils) 1 Etched reticle range horizontal / vertical (mils) User GPS coordinates Yes	Distance between objects	Yes
Inclination difference between two objects  Height difference between objects  Etched reticle step (mils)  Etched reticle range horizontal / vertical (mils)  User GPS coordinates  Yes  1  120 / 60  Yes	Horizontal distance between objects	Yes
Height difference between objects  Etched reticle step (mils)  Etched reticle range horizontal / vertical (mils)  User GPS coordinates  Yes  120 / 60  Yes	Azimuth difference between objects	Yes
Etched reticle step (mils)  Etched reticle range horizontal / vertical (mils)  User GPS coordinates  1  1  1  1  1  1  1  1  1  1  1  1  1	Inclination difference between two objects	Yes
Etched reticle range horizontal / vertical (mils) 120 / 60 User GPS coordinates Yes	Height difference between objects	Yes
User GPS coordinates Yes	Etched reticle step (mils)	1
	Etched reticle range horizontal / vertical (mils)	120 / 60
Target GPS coordinates Yes	User GPS coordinates	Yes
	Target GPS coordinates	Yes

# **LRM 3500M**

### LASER RANGEFINDER MONOCULAR

Part Number: NC-35BT



Mechanics, Electronics & Environmental	
Display type	Customized Matrix Red OLED
Interface	USB, Bluetooth
Dimensions with no sleeve (mm)	118x107x54
Weight without batteries and sleeve (g)	460
Power supply	Non-magnetic 2x CR123 lithium batteries
Battery life (# of measurements)	5,000
Low battery indicator	Yes
Tripod mountable	Yes
3-axis digital compass	Yes
Compass calibration & validation	Yes
Operating temperature range (°C)	-35 to +65
Storage temperature range (°C)	-40 to +85
Waterproofing	MIL-STD-810G (1m / 30 min)
Mechanical & optical compatibility with NVS14 & PVS14 night vision devices	Yes

<sup>\*2.3</sup>m x 2.3m albedo 0.3 NATO standard target

#### **DELIVERY SET**

Supplied with the following standard accessories:

- Carrying Case
- Wrist Strap
- User Manual
- Cleaning Cloth
- Rubber Sleeve (Black)USB/PC Cable

• 3V CR123 Battery



Shown in night vision configuration



Shown in active bluetooth mode