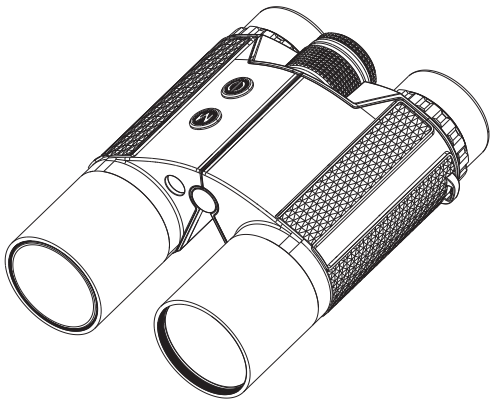
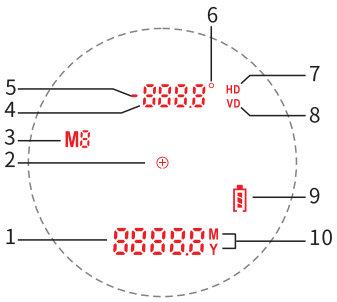


01 Parameters

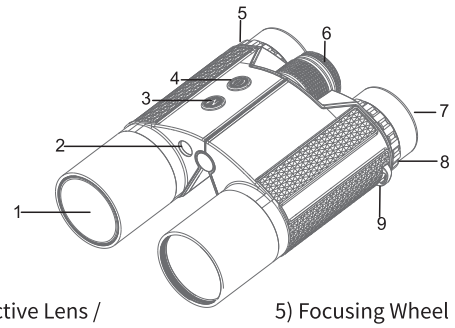
Distance Range	10~1500/2000/2500m
Measuring Accuracy	±1m
Angle Range	±60°
Angle Accuracy	±1°
Laser Type	905nm (Class 1M)
Magnification	10X
Object Lens Size	42 mm
Effective Eyepiece	22 mm
Exit Pupil Diameter	4.2 mm
Exit Pupil Distance	18.8 mm
Visible Range(1000M)	70m
Battery	CR2
Weight	1011g (Including battery)
Dimensions	175*135*65(mm)
Working Temperature	-10°C ~+60°C

02 Screen Display

1) Range Data
2) Target Icon
3) Mode Icon
4) Angle / Height / Horizontal Distance
5) Negative Sign Icon
6) Angle Unit Icon
7) Horizontal Distance Icon
8) Vertical Height Icon
9) Electricity Icon
10) Unit Icon (meter / yard)

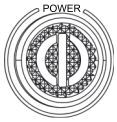


03 Parts Of Product



1) Objective Lens / Laser receiver lens
2) Laser Firing Lens
3) Mode Button
4) Power Button / Measurement Button
5) Focusing Wheel
6) Battery Cover
7) The Eyepiece
8) Eyepiece Adjustment Ring
9) Lanyard Hole

04 Power ON/OFF

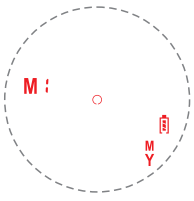


Power Button

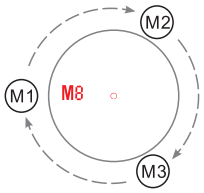
Power ON
Short press the ⏻ button to turn on.

Power OFF
The machine will shut down automatically after 8 seconds if no any operations.

05 Unit / Mode Switch



Unit Switch(meter/yard)



Mode Switch

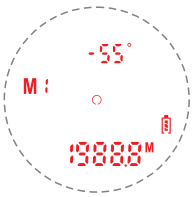
Mode Button

Unit Setting:
In the boot state, press the mode button for more than 2 seconds, then unit switch can be activated. The unit can be switched and retained after the mode button released.

Mode Switching:
In the boot state, short press the mode button to switch the measurement mode.

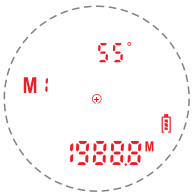
After power on, the last set mode and measurement unit will be retained

06 Basic Operation



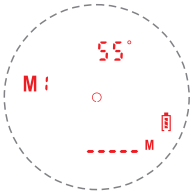
Single measurement

Single Measurement:
Short press the ⏻ button to start the single measurement.
- Take M1 mode as an example



Continuous measurement

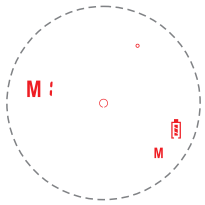
Continuous Measurement:
Press the ⏻ button and keep over 2 seconds, the measured distance value displayed alternately on the screen, and the target sign " + " will be showed on the screen until release the ⏻ button.



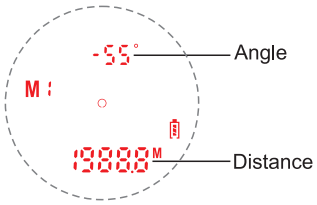
Failure measurement

Failure Measurement :
If the measure fails, the data on the screen will be displayed as: "-----"
Press the ⏻ button to remeasure.

07-1 Distance And Angle Mode



Before Measuring

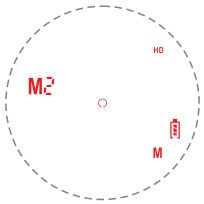


Measurement Results

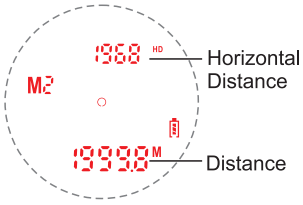
In the mode, short press the ◐ button after targeting, the angle would be displayed on the top of the screen , and the distance would be displayed on the bottom. (long press for continuous measurement)

★ *(1) When the "-" sign is displayed in front of the inclination Angle, it indicates that the Angle value is the depression Angle; Angle range ±60°.*
(2) The mode supports continuous measurement function;

07-2 Distance And Horizontal Distance Mode



Before Measuring

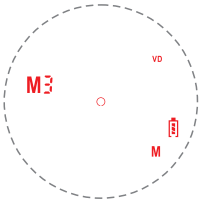


Measurement Results

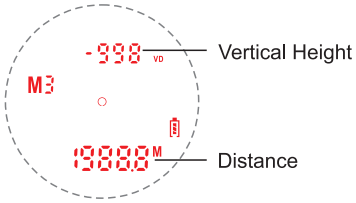
In the mode, short press the ◐ button after targeting, the horizontal distance would be displayed on the top of the screen , and the distance would be displayed on the bottom.

★ *This mode supports continuous measurement function;*

07-3 Distance And Vertical Height Mode



Before Measuring



Measurement Results

In the mode, short press the ◐ button after targeting, the vertical height would be displayed on the top of the screen ,and the distance would be displayed on the bottom.

★ *(1) This mode supports continuous measurement function;*
(2) When the height is measured, the negative sign "-" is displayed, indicating that the measurement target is lower than the surveyor.

08 The Battery

Full Battery

Low Battery,
Please replace the battery

Replace The Battery:
Replace the battery according to the direction of "+"and"-" poles marked on the lable.

Open the battery cover knob, rotate it counterclockwise, open the battery cover, take out the battery, install the battery according to the positive and negative marks on the battery bin, after installing the battery, rotate the battery cover knob clockwise, close the battery cover, try to rotate it in place to ensure that the battery cover is tightly closed.

09 Measurement Considerations

Measurement targets

The laser rangefinder is suitable for measuring high reflectivity objects (such as highway's Road signs),moderate reflectivity objects(such as building's wall) and low reflectivity objects(such as tree, golf flag, utility pole, animal etc).
When the reflectance is reduced to a certain extent, the range will be reduced accordingly.

Factors that influence ranging capability

1) Target reflectivity:

Generally speaking, the higher the reflectivity of the object, the better the ranging ability. for example, for moderate reflectivity object, the measuring range is 1500M, and it can up to 1800M for high reflectivity object, but may be only 600M for low reflectivity one.(It may fail to measure the target that can hardly create diffuse reflection, such as water surface.)

2) Target shape:

When a target is too small or uneven, the ranging ability will decrease.

3) Measuring angle:

The ranging ability would be better if the measured object is vertical with the laser emission's direction. It's possible that the measuring range cannot meet the ranging ability specified in the manual under some extreme conditions.

4) Environment factor:

The environment factors including sunshine intensity, the concentration of water vapor in the air and suspended particles (such as rain, fog, snow, fog, haze, etc.)

10 Precautions

Warning : Laser safety

To avoid any harm to eyes, please do not look at the laser emission aperture after pressing the power button.

Transportation

Please add enough cushioning material to the box to avoid unnecessary damage during transportation.

Storage

Please keep the product out of reach of children. Don't put it on a high and unsteady place to prevent falling on the ground. Do not place the product in a high temperature environment or it may cause damage to the products.

Maintenance

Please do not touch the lens with your fingers so as to avoid damage to the glass coating. In the case of drastic changes of temperature, the lens surface will be covered by fog, please don't use it before the fog evaporates. Please clean the lens with soft cloth but not other stuff when there have smudge on the lens.

Disposal

The package and discarded products should be recycled or disposed properly in accordance with local laws.

PACKING LIST

Binocular Rangefinder *1 PCS	Manual *1 PCS
Objective lens cover *1 PCS	CR2 battery *1 PCS
Eyepiece lens cover *1 PCS	Bag *1 PCS
Cleaning cloth *1 PCS	Box *1 PCS