

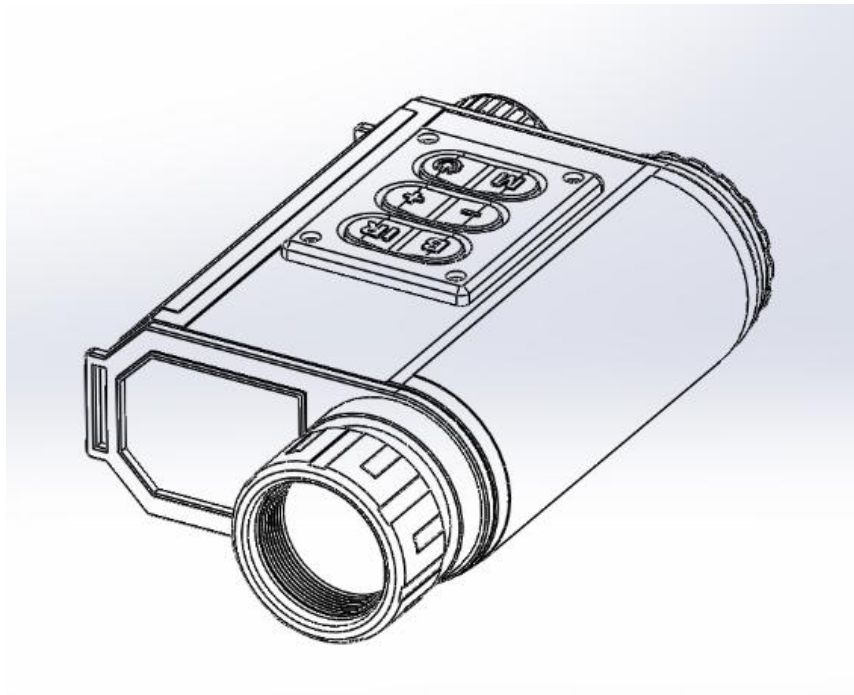
Laser Ranging Night vision

operating instructions

DNV-OSP-RF

Digital night vision, digital compass, pitch angle measurement, pressure measurement, temperature measurement in one. The optical amplification system using 6x32.

Suitable for viewing wildlife at night, fishing, hunting and security personnel.



Features :

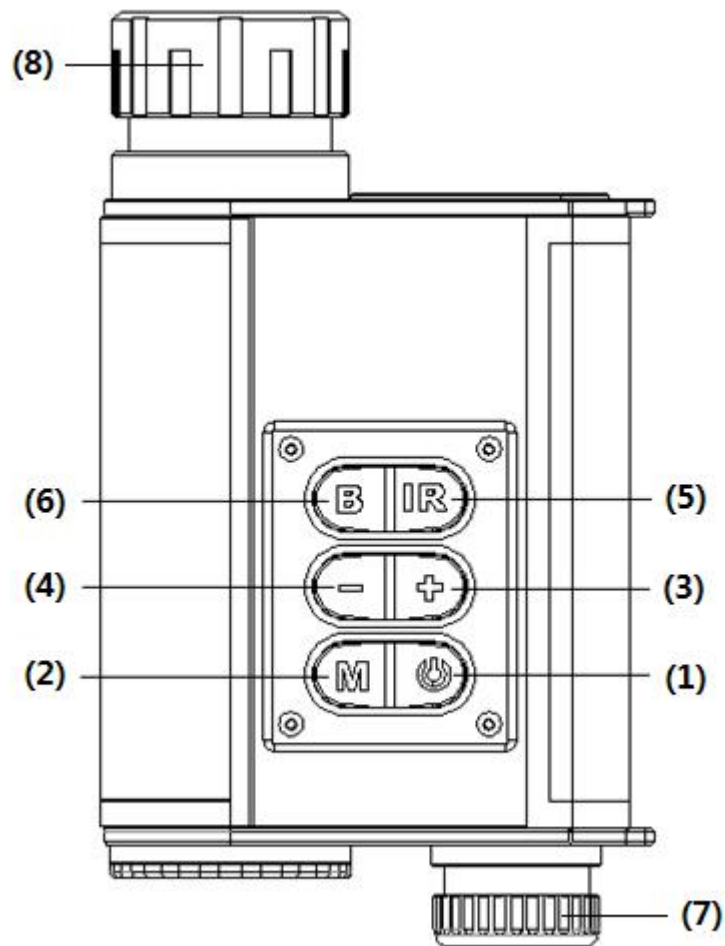
Laser rangefinder : 500m (max range)
Digital compass resolution: 1 °
Pressure measurement: 300-1100hPa
Digital magnification: 4X
Battery: AA x 4
Weight: 398g


Night vision: 200m(max range)
Pitch angle: +/- 20°
Magnification: 6X
Lens Dia.: 32mm
Battery life: 2 hours
Dimensions:175(L)*100(W)*51(H)mm

- 1.Field of View: 6°
- 2.Sensor resolution: 720*480
- 3.Display resolution: 480*240
- 4.Strength of LED IR: 1W
- 5.Wavelength: 850nm

Introduction

1. Components introduction



- (1)  Power key: ON/OFF or Ranging.
- (2) **M** Mode key: Function Switch or Parameter settings
- (3) **+** key: Digital magnification increase the brightness

adjustment function.

(4) **■** Key: Digital magnification minus or reduce the brightness adjustment function.

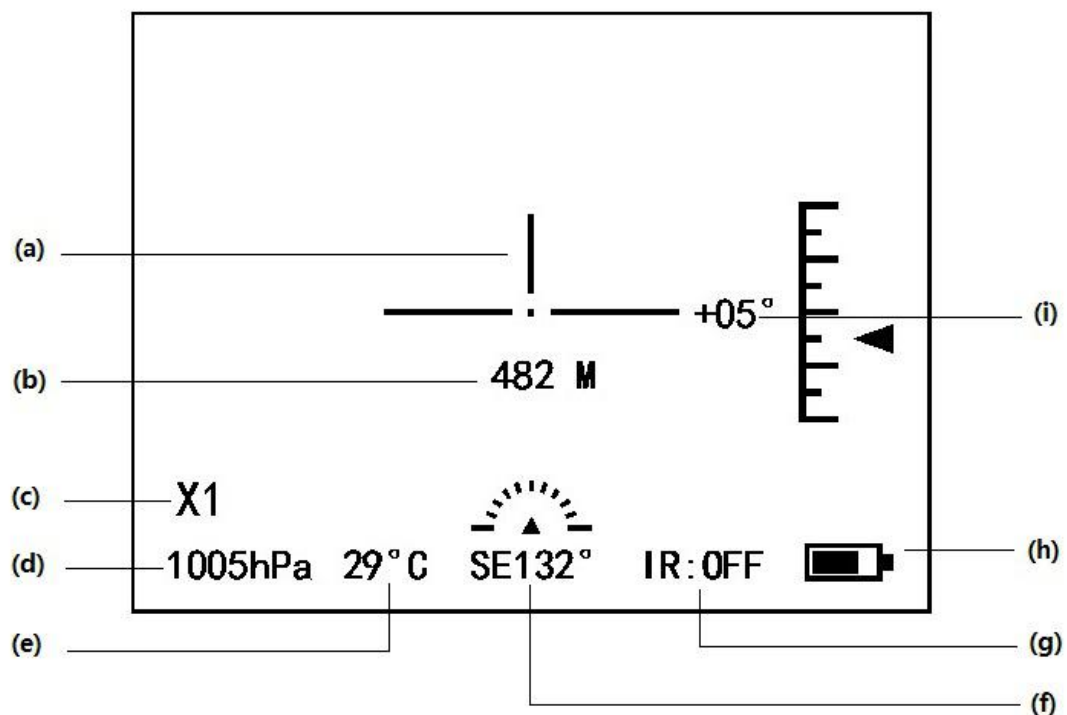
(5) **IR** key: ON/OFF and adjust the infrared light.

(6) **B** key: ON/OFF brightness adjustment function.

(7) Eyepiece

(8) Objective

2. Screen Display:



(a) Aiming point

(b) Data display area

(c) Magnification Display

(d) Pressure display

(e) Temperature display

(f) Compass display

(g) IR LED status display

(h) Battery power display


(i) Pitch angle display

3. Operating Instructions

1) Power

Hold down  Power on.

2) Shutdown



Hold down  key 3 seconds to power off.

3) Scenery observation

A) Power on


b) Adjust the (7) eyepiece to get the image clear.

c) Adjust the (8) objective focusing to get the sharpest image.

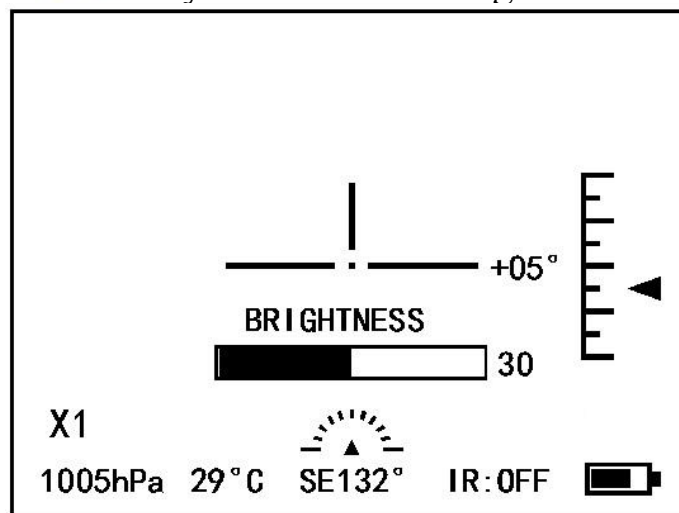
d) Digital magnification will be implemented by pressing 
or  ranged at 1X to 4X.

4) Screen brightness adjustment

Press  key to open the screen brightness adjustment.

Press  key to increase the brightness.

Press  key to reduce the brightness.



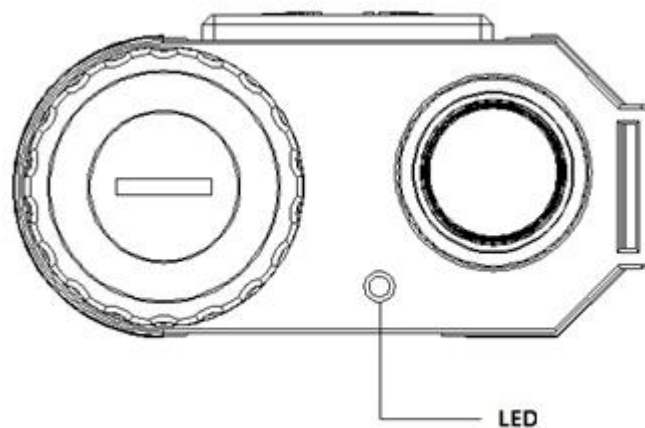
5)Infrared illumination adjustment

Press **IR** key to open the Infrared illumination adjustment.

Continuous press **IR** key , the Infrared illumination will cycle from ON, IR1,IR2,IR3,OFF.

When the infrared light is open, the screen will display the corresponding . See 2-(g)


Rear fuselage led light will turn on together.

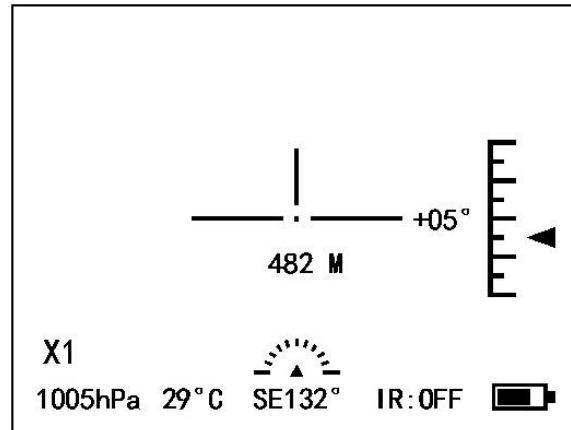


6)Ranging mode selection

Press **M** key, Select the ranging mode: Normal, Fog, Targeting small, Horizontal distance measurement, vertical height measurement, speed.


Normal

Press  key to start continuous distance, press again to stop.

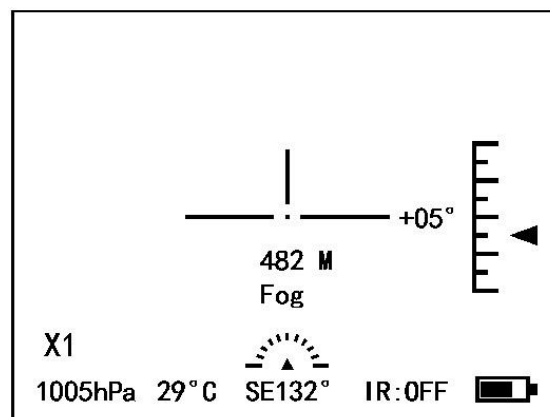


Fog


Fog mode can handle the interference caused by fog.

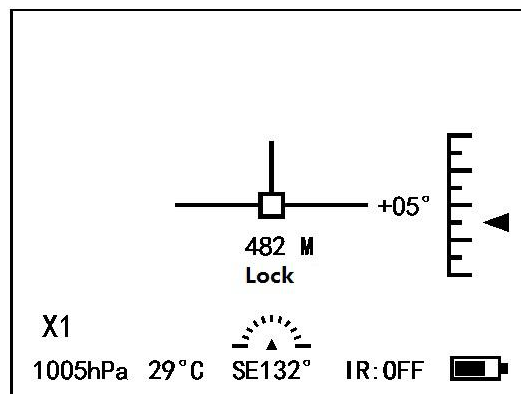
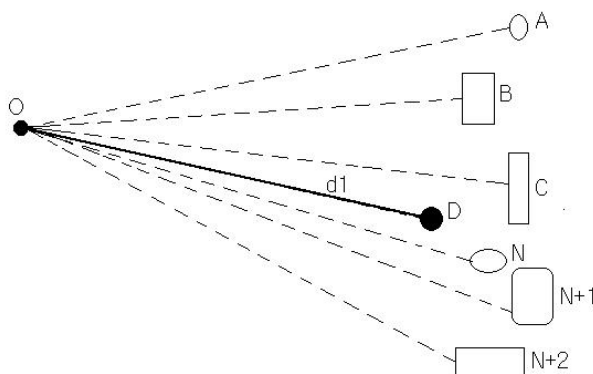
Press  key to start measuring the distance .

Target distance must be > 25m.




Targeting small

Press  key to start measuring the distance . In this mode, the point D may be isolated from a number of points in the background out and keep only the distance d1 to the point.

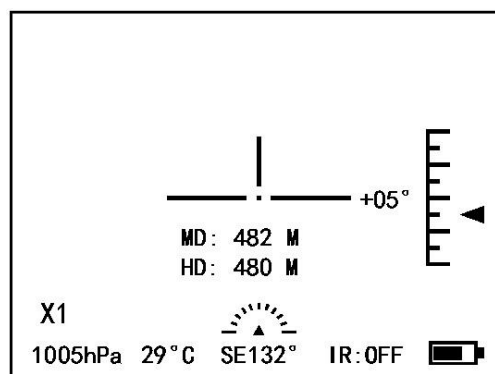
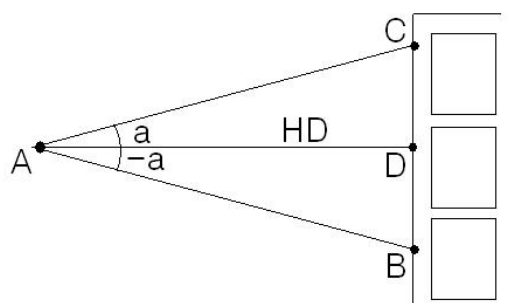


Horizontal distance measurement


Press  key to start measuring the distance . MD and HD data will continue to show.

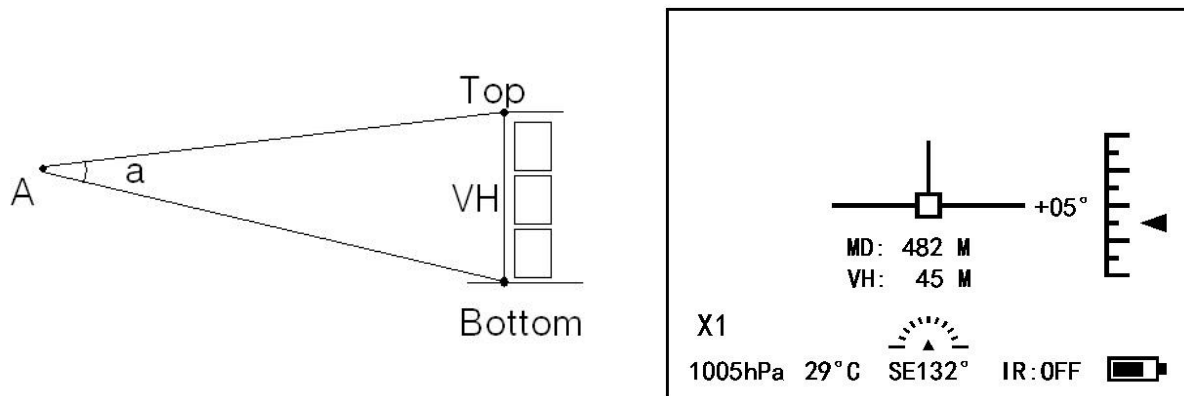
MD : AC or AB

HD : AD



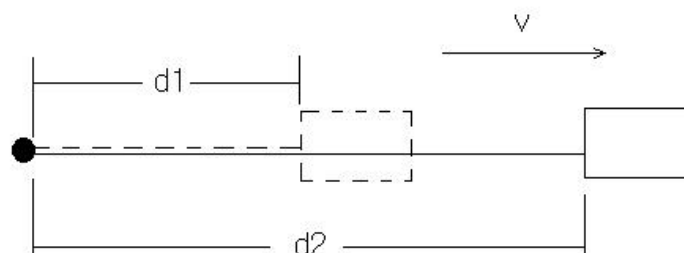
Vertical height measurement

Press  key to start measuring the distance . MD and VH data will continue to show.




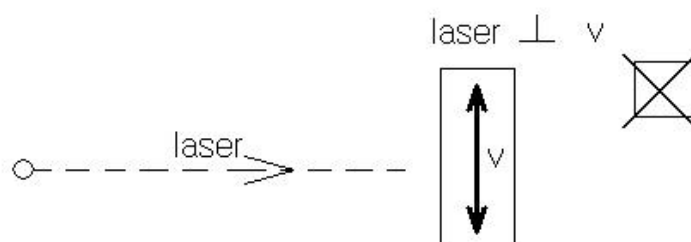
Speed

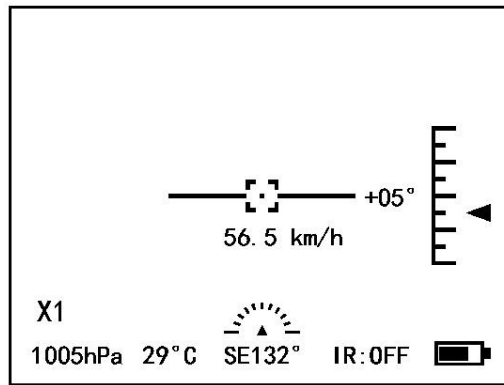
Principle:




Method:

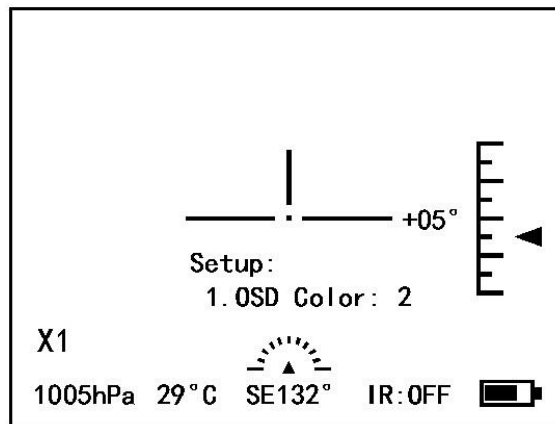
Press  key to start the measurement speed.





7) Parameter settings

- a) Long press **M** to enter the parameter setting mode.
- b) Short press **M** to Select Parameters.
- c) Short press  to changing parameters Unit.
- d) Long press **M** to exit parameter setting.



(1. OSD Color):

1- Yellow 2- Green 3-Red 4-Blue 5-White 6-Black

(2. Temperature)Unit:

°C or °F

(3. Distance) Unit:

M or Yd

(4. Height) Unit:

M or Ft

(5. Speed) Unit:

Km/h or mile/h

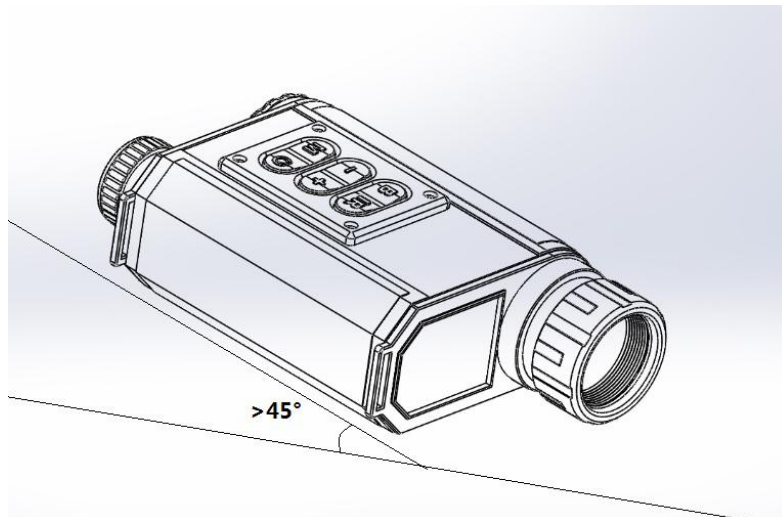
(6. Power OFF) :

5Min、10Min、15Min、20Min、

25Min、30Min、35Min、40Min

8)Button backlight

For case of use in dark environments, the backlight can be opened, when the product downwardly $> 45^{\circ}$ and press any key.



9)Battery Replacement

The battery icon 2- (h) starts flashing.

