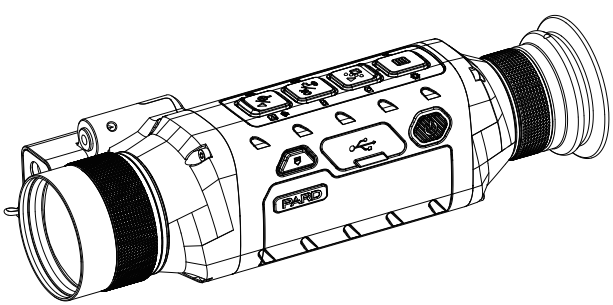
PARD

Thermal Imaging Monocular

Leopard Series

Quick Start Guide



Shenzhen Pard Technology Co.,Ltd

PACKAGE CONTENTS

Icon	Contents	Quantity
1	Leopard 480/640	1
2	18650 Rechargeable Lithium-Ion battery	1
3	Type-C cable	1
4	Lanyard	1
5	User's manual	1
6	After-sales card	1

COMPONENTS

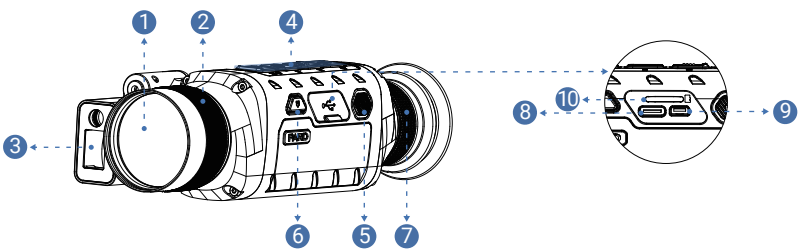
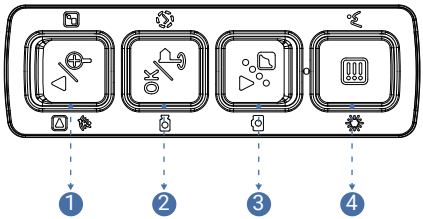


Fig. 1

No.	Name	No.	Name
1	objective lens	6	Battery compartment switch
2	Objective Lens Focusing wheel	7	Diopter Adjustment wheel
3	LRF Module	8	Type-C charging Port
4	Keypad	9	HDMI Port
5	Power key	10	Micro SD card

Shortcut Mode





	Single press	Press and hold	Double press
1	Zoom in/Up	File/Turn off WiFI	Turn on/off PIP
2	OK/LRF	Record/Save video	Shutter correction
3	Switch image mode/Down	Take photos	-
4	Menu/Back	-	Switch scene mode
	Sleep mode	Power on/off	-

INSTALLATION

1. Battery Installation and Startup

The battery installation steps are as follows:

1.1. Press the battery button to open the battery compartment and remove the battery.

1.2. Remove the insulating tape.

1.3. Put the positive pole (+) of the battery inwards, then close the battery compartment.

1.4. To turn on the device, press and hold the power button for about 3 seconds. (When the PARD Logo appears on the screen, the device is ready for use.)

2. Diopter Focusing

Diopter focusing is used to clearly see the content displayed on the screen.

2.1. After power on the device, rotate the diopter focusing wheel until you can see the screen clearly.

2.2. Please note that the image may not be clearly visible before objective lens focus adjusted, only the words and icons on the display are clearly visible at this stage.

3. Objective Lens Focusing

3.1. Before you focus the objective lens, ensure that the diopter focusing has been completed.

3.2. Aim at the target you want to see, and rotate the focusing wheel of the objective lens until you can see the target clearly.

4. Compass Calibration

Users are required to tilt and move the device in a figure 8 motion until the compass is calibrated, as shown in the picture.



Fig. 2

Key Features

- NETD ≤20mK
- Sensor resolution 640*512/480*360
- 3 Scene mode
- 6 Image mode
- Hot track
- Infrared image enhancement Algorithm(IREA)
- Independent buttons
- 1000m/1200yds LRF
- Photo & video recording
- WiFi connection
- IP67 rating
- Firmware update

PRECAUTIONS

- Please remove the insulating tape on the battery before first use. It is recommended to use a fully charged lithium-ion battery with a rated voltage of 3.7V.
- Please turn off the device and remove the battery when it's not in use for more than 10 days, and store the device & battery in a dry and safe place.
- Be extra cautious and handle the device with care during use or transportation. It is recommended to use the original packaging during transportation.
- Do not use the device to focus directly on strong sources of light such as the sun or electric welding. The detector may be damaged and it will void the warranty.
- Avoid lens scratches and damage caused by oil or chemical contamination of the lens. Keep the lens cap on when not in use.
- The device should be placed in a cool, dry, and ventilated environment without strong electromagnetic fields, and the storage environment temperature should not be lower than (-30℃/-22℉) or higher than (55℃/131℉).
- Do not disassemble the device without authorization. If you encounter any problems, please contact our after-sales team. Failure to do so will render the warranty service null and void.
- **Attention!** All PARD night-vision and thermal imaging devices require a license when exported to outside your country.

Specifications

Model		Leopard 480	Leopard 640
Resolution(pixel)		480*360	640*512
Pixel Size(μm)		12*12	12*12
NETD		≤20mK（0.020℃）	≤20mK（0.020℃）
Frame Rate(Hz)		50	50
Detection Distance(m)		1200/1800	1800
Objective Lens(mm)		25/35	35
Optical Magnification(x)		2/2.8	2.2
Digital Zoom(x)		2/4/6/8	2/4/6/8
Field of View (HxV)	Horizontal	13.1°/9.4°	12.5°
	Vertical	9.9°/7.1°	10.0°
	Diagonal	16.4°/11.7°	16.0°
Focus range		3m - ∞	3m - ∞

General Parameters			
Display Type	AMOLED	Display Resolution(pixel)	1920*1080
Scene Mode	Gity/Rain/Forest	Image Mode	WT-HOT/BK-HOT/EDGE/ RD-HOT/IN-HOT/SKY
Eye Relief(mm)	20	Diopter Adjustment(D)	-5~5
Storage(GB)	Micro SD Card(Max.128)	LRF (m)	1000
PIP	Yes	Hot track	Yes
Auto recording	Yes	Loop-recording	Yes
Shutter	Mechanical shutter	Firmware Upgrade	Yes
USB Type-C	Yes	HDMI-output	Yes
WiFi	Yes	Support Apps	PardVision2
Battery Type	Lithium-ion 18650	Operating time(h)	≤6
Degree of protection	IP67	Operating temp(°C)	-30~ +55