

Ocelot 480/640 S 简版 英语

Components and Controls



No.	Name	No.	Name
1	Objective lens	6	Eyepiece rubber sleeve
2	Objective lens focus ring	7	Diopter focusing
3	Laser rangefinder	8	Micro SD card slot
4	Keypad	9	Type-C charging port
5	Battery compartment cap	10	Power/Sleep key

Shortcut Mode



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

INSTALLATION

Battery Installation and Startup

The battery installation steps are as follows:

Push the battery cap button until it opens and remove the battery.

Remove the insulating tape.

Put the positive pole (+) of the battery inwards, and then press the battery cap until the battery cap is locked.

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

Mount Installation

To ensure optimal performance and user experience, we highly recommend using our original mount provided in the product packaging.

Open the box and take out the device, 1 mount and 1 Allen wrench.

The device features 5 mounting holes located at the bottom.

Attach the mount securely to the bottom of the device using the Allen wrench and screws.

The mount is compatible with Picatinny rail.

Focusing

Diopter Adjustment Ring

Diopter adjustment in a vision scope refers to the ability to adjust the focus of the device's eyepiece to compensate for differences in users' vision. It allows individuals with varying levels of eyesight to achieve a clear and focused view of the displayed content on the device's screen.

After turning on the device, rotate the diopter adjustment ring until the texts or icons on the screen are clearly.

Please note that the image may not be clear after diopter adjustment. As long as the text on the screen is clear and visible, it is sufficient.

Note: If the objective lens is not properly focused, the image may be unclear.

Objective Lens Adjustment Ring

Before adjusting the objective lens, it is important to complete the diopter focusing.

Then adjust the objective lens focus ring until a clear image of the target is achieved.

E-compass Calibration

Once the eyepiece is properly focused, proceed to calibrate the electronic compass using the "Figure 8" pattern method. Tilt and move the device in a Figure 8 motion until the compass is calibrated, as the following pic.



Key features

NETD \leq 20mK

High-low alternative keys

1200yd/1000m LRF

Recoil-activated recording

Upgraded UI design

WiFi

IP67 weatherproof rating

6000J recoil resistance

PRECAUTIONS

Battery Usage: Please remove the insulating tape from the battery before first use. Use a fully charged lithium-ion battery with a voltage rating of 3.7V.

Device Storage: Turn off the device and remove the battery if not use for more than 10 days. Store the device & battery in a dry and safe place.

Handling and Transportation: Exercise caution when handling or transportation the device. It is recommended to use the original packaging for transportation.

Light Exposure: Do not use the device to focus directly on strong sources of light such as the sun or electric welding. Direct exposure may damage the detector and void the warranty.

Lens Protection: Prevent lens scratches and damage from oil or chemical contamination. Keep the lens cap on when not in use.

Environmental Considerations: Place the device in a cool, dry, and well-ventilated environment. Avoid strong electromagnetic fields. Ensure the storage temperature remains between -30°C/-22°F and 55°C/131°F .

Device Disassembly and Support: Please refrain from attempting to disassemble the device without proper authorization. Unauthorized disassembly can result in voiding the warranty and may cause irreparable damage to the device. If you encounter any problems, please contact our after-sales team. Report any issues promptly to ensure timely resolution and proper support.

Attention! Export Requirements: Please note that all PARD night-vision and thermal imaging devices require a license for export outside the country.

SPECIFICATION

Model	TH-SP19CL	TH-SH35CL	TH-SQ45CL
Sensor			
Type	Uncooled VOx (vanadium oxide)	Uncooled VOx (vanadium oxide)	Uncooled VOx (vanadium oxide)
Resolution(px)	256*192	480*360	640*512
Pixel Size(μm)	12*12	12*12	12*12
NETD	≤25mK (0.025℃)	≤20mK (0.020℃)	≤20mK (0.020℃)
Frame Rate(fps)	50	50	50
Detection Distance(m)	900	1800/2600	2600
Optics			

Objective Lens(mm)	19	35	45
Optical Magnification(x)	3.2	3	3.4
Digital Zoom(x)	2/4/6/8	2/4/6/8	2/4/6/8
Field of view	Horizontal	9.2°	9.4°
	Vertical	6.9°	7.1°
	Diagonal	11.5°	11.8°
Eye Relief(mm)	30	30	30
Diopter Adjustment(D)	-5~+5	-5~+5	-5~+5
Display			
Type	OLED	OLED	OLED
Resolution(px)	1024*768	1920*1080	1920*1080
Reticle Style	6	6	6
Reticle Color	Red/White/Yellow/Green	Red/White/Yellow/Green	Red/White/Yellow/Green
Scene Mode	City/Rain/Forest	City/Rain/Forest	City/Rain/Forest
Image Mode	WT-HOT/BK-HOT /EDGE/RD-HOT /IN-HOT/SKY	WT-HOT/BK-HOT /EDGE/RD-HOT /IN-HOT/SKY	WT-HOT/BK-HOT /EDGE/RD-HOT /IN-HOT/SKY
Photo / Video			
Photo Resolution(px)	1024*768	2048×1536	2048×1536
Photo Format	.JPG	.JPG	.JPG
Video Resolution(px)	1024*768	1440×1080	1440×1080
Video Format	.mp4	.mp4	.mp4
Storage	Micro SD card (128 GB,Max)	Micro SD card (128 GB,Max)	Micro SD card (128 GB,Max)
Image Engine	Pard IREA	Pard IREA	Pard IREA
Main function			
LRF Detection Range	1000m/1200yds	1000m/1200yds	1000m/1200yds

PIP	Yes	Yes	Yes
Gyroscope	Yes	Yes	Yes
Recoil-activated Recording	Yes	Yes	Yes
Loop Recording	Yes	Yes	Yes
Hot Track	Yes	Yes	Yes
E-compass	Yes	Yes	Yes
Shutter	Mechanical shutter	Mechanical shutter	Mechanical shutter
Microphone	Yes	Yes	Yes
Firmware Upgrade	Yes	Yes	Yes
Connections			
USB Tpye-C	Yes	Yes	Yes
WiFi	Yes	Yes	Yes
Supported Apps	PardVision2	PardVision2	PardVision2
Power Supply			
Battery Type	Lithium Ion 18650*1	Lithium Ion 18650*1	Lithium Ion 18650*1
Output Voltage(V)	3.7	3.7	3.7
Operating Time(h)	≤5	≤5	≤5
External Power Supply	Type-C	Type-C	Type-C
Environmental characteristic			
Protective Class	IP67	IP67	IP67
Operating Temp(°C/°F)	-30 ~ +55 / -22 ~ +131	-30 ~ +55 / -22 ~ +131	-30 ~ +55 / -22 ~ +131
Recoil Resistance(J)	6000	6000	6000
Material			
Housing	Aluminium Alloy	Aluminium Alloy	Aluminium Alloy
Objective Lens	All-glass multi-coated lens	All-glass multi-coated lens	All-glass multi-coated lens
Measurement			
Product Dimension			199*71*80

(with LRF, L * W * H, mm)			
N.W/pcs (with LRF&battery, g)	TBD	TBD	505.5

FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Note: The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. such modifications could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement.

This equipment complies with FCC's RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna(s) must not be co-located or conjunction with any other antenna or transmitter.