**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 foucing
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

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

## 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 ≤ 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  $-30^{\circ}C/-22^{\circ}F$  and  $55^{\circ}C/131^{\circ}F$ .

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.

Model	TH-SP19CL	TH-SH35CL	TH-SQ45CL		
Sensor					
Туре	Uncooled VOx	Uncooled VOx	Uncooled VOx		
	(vanadium oxide)	(vanadium oxide)	(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					

## **SPECIFICATION**

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°	9.8°	
	Vertical	6.9°	7.1°	7.8°	
	Diagonal	11.5°	11.8°	12.5°	
Eye Relief(mm)		30	30	30	
Diopter Adjust	ment(D)	-5~+5	-5~+5	-5~+5	
Display					
Туре		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	
		WT-HOT/BK-HOT	WT-HOT/BK-HOT	WT-HOT/BK-HOT	
Image Mode		/EDGE/RD-HOT	/EDGE/RD-HOT	/EDGE/RD-HOT	
		/IN-HOT/SKY	/IN-HOT/SKY	/IN-HOT/SKY	
Photo / Video					
Photo Resolution(px)		1024*768	2048×1536	2048×1536	
Photo Format		.JPG	JPG	.JPG	
Video Resoluti	on(px)	1024*768	1440×1080	1440×1080	
Video Format		.mp4	.mp4	.mp4	
Storage		Micro SD card	Micro SD card	Micro SD card	
SUIARE		(128 GB,Max)	(128 GB,Max)	(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 Труе-С	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	Туре-С	Туре-С	Туре-С		
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.