



Thermal Imaging Monocular Wild Series User Manual













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About This Manual

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The Manual includes instructions for using and managing the product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons.



Regulatory Information

CE

This product and, if applicable, the supplied accessories are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the Radio Equipment Directive 2014/53/EU, the EMC Directive 2014/30/EU, the RoHS Directive 2011/65/EU.



This product and - if applicable - the supplied accessories too are marked with "UKCA" and comply therefore with the following directives: Radio Equipment Regulations 2017, Electromagnetic Compatibility Regulations 2016, Electrical Equipment (Safety) Regulations 2016, the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012.



This product and - if applicable - the supplied accessories too are marked with "RoHS" and comply therefore the requirements of Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment ("RoHS recast" or "RoHS 2").



2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info.



Directive 2006/66/EC and its amendment 2013/56/EU (Battery Directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: www.recyclethis.info.



1.1 Device Description

Wild Series Thermal Imaging Monocular is designed with a NETD less 18mk, 12µm uncooled infrared detector and 1024x768 OLED high-definition display. With AI image recognition algorithm, it gets clear views under various lighting conditions, even in complete darkness, providing reliable and high-quality visual images for night activities. It can also view the moving target and meet the outdoor conditions. The apparatus can be widely used for searching and rescuing, hunting, etc.

1.2 Features

- 12μm uncooled infrared detector, NETD less than 18mk;
- 1x--4x continuous digital zoom;
- LRF-Boost, AI and laser rangefinder combination;
- Various pseudo colors;
- Joystick control design, wheel focusing realizes one-hand operation;
- Detector anti-burn mechanism;
- Super large aperture offers better temperature radiation capturing capability;
- 1024*768 resolution with 0.39 inch OLED display;
- Up to 10h continuous working for lithium battery;

1.3 Application Scenarios

- Animal Observation
- Outdoor Adventure
- Security Law Enforcement
- Emergency Search and Rescue

1.4 Appearance

- 1 Lens cover
- 2 Power button
- 3 Focusing knob
- (4) Joystick
- **(5)** Capture/Record button
- 6 Diopter knob
- (7) Eyepiece cover
- (8) Compartment of replaceable battery
- (9) Type-C port
- (10) Laser module









3.1 Charging

Here are two methods we could take to charge the device. Device Charging and Battery Charging.

Device Charging:

Connect the device and power adaptor directly with a type-C cable to power on the device. Alternatively, connect the device and PC to export files. Follow the below steps to charge the battery:



- Lift the cover from the USB port.
- Plug the cable provided into the USB port.
- Plug the opposite end of the cable into a USB power source.

Battery Charging:

Wild series have adopted replaceable and changeable battery design. The batteries could be taken off and charged directly, from which dramatically improves the device life.



Note:

- The battery should be fully charged prior to use.
- The battery is supposed to be taken out for long time non-using occasions.

3.2 Power on/off

Press and hold the power button to power on/power off the device.



3.3 Buttons and Controls

3.3.1 Buttons Combinations and Introduction

Before entering the main menu												
	Short Press				Long Press				Double Press			
Power Button	Standby Mode				On/Off				N/A			
Capture Button	Capture				Record				N/A			
	Up	lp Down Left Right					Center		nter			
Joystick				Al Rang	۵	Short Push	Long P	ush	Brief C	lick	Double Click	
	Zoom in Zoo		n out	finder		Pseudo Switch	Outlin Mod	ne e	Calibra	ation	Menu	
After entering the main menu												
	Up		D	own		Left		Rig	ht	S	hort Press	
Joystick	Move up	o	Move do			Exit sub-ment	u Ope	Open Sub			Confirm	

3.3.2. Lens Adjustment

Diopter Adjustment

Looking through the eyepiece, adjust the position of diopter level to optimize the image sharpness on the OLED display.



Objective Lens Focusing

Manually adjust the objective lens focus when you can't see the scene clearly.



3.3.3 Joystick Operation

3.3.3.1 Zoom

Push the joystick to the front to zoom in, vice versa.





3.3.3.2 AI Ranging and Laser Rangefinder

Push the joystick to the left to activate AI rangefinder or laser rangefinder.



Note: the laser rangefinder is only available for Wild LRF series.

3.3.3.3 Pseudo Color Switch

Brief push joystick to right to switch pseudo colors.





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There are totally six pseudo colors (white hot, black hot, red hot, green, golden, violet) for user choice.













White

Black

Golden

Green

Violet

3.3.3.4 Target Outline Mode

Long push the joystick to right to enter the target outline mode.





3.3.4 Capture/Record

Image Capturing

Press Capture button to take photos. Then the photo icon in the upper left corner will flash once.



3.4 Set

Select setting and double-click the joystick to enter setting menu. Note: Select by moving the joystick, and short press the joystick to confirm the selection.

3.4.1 Setting

Image Capturing

Press to enter the Imaging Setting menu. There are five sub-menus for image setting, which are "Image Mode", "Sharpness", "Denoise", "Brightness" and "Contrast".

Video Recording

Press and hold Capture button to take videos. Then the recording icon starts flashing in the upper left corner, and the recording starts timing. Press and hold again to stop recording.





Image Setting	S	
	Forest	The image details would be enhanced in a way.
Sharpness	0-10	Adjust image sharpness to make the image edge sharper. The recommended value is 5.
Denoise	0-10	Adjust image noise to make the image cleaner. The recommended value is 5.
Brightness	1-10	Adjust image brightness to make the image brighter. The recommended value is 5.
Contrast	1-10	Adjust image contrast to make the target more prominent in the image. The recommended value is 5.

3.4.2 System Setting

Press joystick to confirm **Setting** to enter the System Setting menu. Select by moving the joystick, and short-press the joystick to confirm the selection.





Detector anti-burn function, it could be set by on/off.

Anti-Burn



Once it detects harmful rays to the detector, the system will enable protection automatically.

EIS	Electronic Image Stabilization	© 25 D 1.0X D Im P 14:54	Electronic Image Stabilization. It could be switched on/off in the system setting.
Tracking		Correction OSD Anti-Brun ES Pip Ranging OFF OFF OFF ON Menu Set	Turn on heat tracking to mark the target with the highest temperature in real time in the screen.
PIP	Picture in picture	Correction OSD Anti-Rum ES Trackno PIP Ranging OLE BlindPixel System	In the picture, the image is 2x enlarged from the center of the cross.













EIS function: Turn on the EIS function to reduce the impact of body shaking on the image and keep the image stable when observing distant targets.

3.4.3 Network Connection

Select Internet icon to and press joystick to enter the Network Connection menu.



3.4.3.1 App Download

You may download the "ThermTec Outdoor" APP through the QR code shown on the packing box, user manual or below.



3.4.3.2 Connect via Hotspot

• Turn on device' s hotspot.



- Connect mobile client with device's hotspot.
- After the connection, you could control devices freely with APP (ThermTec Outdoor).

3.4.4 File Management

Select Files and press the joystick to enter the Files. Select the image and video sub-menus to view the images and videos and play the videos.

Image Viewing

• Press the joystick to enter image files.



• After selecting a certain image, press joystick to access further operations of the image, we could delete it, check next one or delete all the images.

Back

2023-10-08_00-01-58_1024.jpg 2023-10-08_00-01-48_1024.jpg 2023-10-08_00-01-57_1024.jpg 2023-10-08_00-01-47_1024.jpg 2023-10-08_00-01-55_1024.jpg 2023-10-08_00-01-45_1024.jpg 2023-10-08_00-01-55_1024.jpg 2023-10-08_00-01-44_1024.jpg 2023-10-08_00-01-53_1024.jpg 2023-10-08_00-01-43_1024.jpg 2023-10-08_00-01-55_1024.jpg 2023-10-08_00-01-42_1024.jpg 2023-10-08_00-01-55_1024.jpg 2023-10-08_00-01-42_1024.jpg 2023-10-08_00-01-55_1024.jpg 2023-10-08_00-01-41_1024.jpg 2023-10-08_00-01-55_1024.jpg 2023-10-08_00-01-40_1024.jpg 2023-10-08_00-01-59_1024.jpg 2023-10-08_00-01-40_1024.jpg 2023-10-08_00-01-49_1024.jpg 2023-10-08_00-01-40_1024.jpg 2023-10-08_00-01-49_1024.jpg 2023-10-08_00-01-40_1024.jpg

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Video Viewing

- Select Record and press joystick to enter video files.
 Choose a certain video and press joystick to check the video.



• Further operations could be accessed here, we could delete it, check next one, pause the video or delete all the videos.



3.5 External Video & Data Reading

Video Output

Use the given AV video cable to output analog video.

Data Reading

When external display is connected, the OLED of the device automatically turns off. Power on the device, use a type-C USB cable to connect with the computer to read the video and image data in the memory.

Note: Videos, images and rav videos taken will be saved separately in folders named "record", "image" and "rav"

3.6 System Software Upgrade

Wild series thermal imaging monocular supports **"ThermTec Outdoor" APP**, which allows you to transmit the image from the thermal imager to the smartphone or tablet via Hotspot in real time mode.

Upgrading via APP

- Open ThermTec Outdoor APP.
- Turn on the hotspot of the device, and connect it with the Mobile phone.
- Select Update on the menu options.
- The downloading and upgradation would be a continuous process if there is an update.
- After finishing the update, the device will reboot.

Upgrading via PC

• Please download corresponding upgrading package from official website. **www.thermeyetec.com**. Connect the device to PC via Type-c data cable.



• Copy the related updating firmware to the storage file of Wild. Press joystick to select Update icon, and the system will prompt "Update".



• Enter version to check firmware version.



4.1 Product Size & Drawing



Note: Wild325, Wild335 and Wild635 are of the same size.



Note: Wild335L & Wild635L are of the same size.

4.2 Specifications Specifications - Wild

Model	Wild325	Wild335	Wild635	Wild650	Function					
	М	icrobolometer			Photo/video playback	Photo/video playback Yes				
Resolution	384	x288	640	x512	Language	Multiple-languages				
Pixel Pitch		12	um		Built-in Memory	64GB				
NETD		10ml/			PIP	Yes				
Spectral range		2.1/	4um		Al Distance Measurement	Yes				
		0-1-	+μm		Heat Track	Yes				
Frame rate		50	ΗZ		Real-time	Yes				
Detection Range	1300m	1800m	1800m	2600m						
		Optics			OSD Recording		Ye	2S		
Objective lens	25mm/F0.8	35mm/F0.8	35mm/F0.8	50mm/F0.9	EIS	tion Yes				
Field of view	10.5° x 7.9	7.5° x 5.6°	12.5° x 10°	8.8° x 7.0°		Battery				
Magnification	2.4X	3.3X	2.0X	2.8X	Internal battery	Replaceable and Rechargeable Li-ion Battery (18650x1)				
Digital Zoom		1.4V contin			Battery life	Battery life 10h 8h				
		1-47 contin	10003 200111			Interface				
Eye relief		40r	nm		Type-C	Supports battery charging, data transfer, USB video output				
Exit pupil		6n	nm		Hotspot	Yes, App remote control				
Diopter		±	5D			E	nvironment			
		Display			Working temperature		-20°C~	-+50°C		
Type		AMC	DLED		Protection Level		IP	67		
Resolution	1004 700				Weight, g	470±5g 485±5g 475±5g			510±5g	
Display size		0.39	inch		Size,mm	ım 190.2(L)x69.3(W)x58.7(H) ^{190.}				
Color polotto					Accessories					
color palette			U		External Cable	le USB cable				
Image mode		Forest/	Outline		Other Accessories	es Palm strap/Protective bag/Non-dust cloth and etc.				

Specifications - Wild

Model	Wild335L Wild635L Wild650L		Language	Multiple-languages					
	Microb	olometer		Built-in Memory	64GB				
Resolution	384x288	64	0x512	PIP	Yes				
Divel Ditch	00 1/1200	13		LRF Boost	Yes				
Pixel Pitch		12µm		Heat Track	Yes				
NETD		18mk@300k		Real-time	Yes				
Spectral range		8-14µm		OSD Recording					
Frame rate		50HZ		Burn prevention	Yes				
Detection Range	1800m	1800m	2600m	FIS		Ves			
	Or	otics			Ba	tterv			
Objective lens	35mm/E0.8	35mm/E0.8	50mm/E0.9	Internal battery	Replaceable and Rechargeable Li-ion Battery (18650x1)				
conjective tens	35mm/F0.8 35mm/F0.8 50mm/F0.9		Battery life	10h 8h					
Field of view	7.5° x 5.6°	12.5° x 10°	8.8° x 7.0°		Interface				
Magnification	3.3X	2.0X	2.8X	Type-C	Supports battery charging, data transfer, USB video output				
Digital Zoom		1-4X continuous zoor	n	Hotspot	Yes, App remote control				
Eye relief		40mm			Envir	onment			
Exit pupil		6mm		Working temperature	-20°C~+50°C				
Diopter		±5D		Protection Level	IP67				
	Die	nlav		Weight, g	515±5g	505±5g	540±5g		
Type	Dis			Size,mm	190.2(L)	x69.3(W)x77.1(H)	190.2(L)x76.3(W) x84.6(H)		
Decolution		1034-700			Acce	ssories			
Resolution		1024x768		External Cable	e USB cable				
Display size		0.39 inch		Other Accessories	ries Palm strap/Protective bag/Non-dust cloth and etc.				
Color palette		6			Laser Rangefinder				
Image mode		Forest/Outline		Safety Class	Class 1				
	Fun	ction		Wavelength	905nm				
Photo/video		Yes		Range	1000m				





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