

# Monocular Fusion Telescope

FIND 1C



### Catalogue

Project	Content	Page
	Cover	1
	Catalogue	2
	Revising History	2
1	Product Overview	3
2	Product Applications	3
3	Product Parameters	4
4	Product Illustration	5-6
5	Product Usage	7-8
6	Menu Interface	8-9
7	Operation Instruction	10-11
8	Precautions	11
9	Package and Accessories	12

### Revise History

Versions	Revisions History	Comment
1.0	First Edition	2022.03.26
2.0	Update images and parameters	2022.05.12
2.1	Update menu functions and operating instructions	2022.11.22
2.2	Update product appearance	2022.6.6

## 1. Product Overview

The Tri-light fusion telescope is an electronic device used for day and night observation outdoors. It contains three types cameras for Day-light, low-light and thermal imaging. It can present high-quality images in day and night environments, with clear details and rich gradations. It also can quickly search, locate and confirm the target.

It is powered by lithium batteries, power consumption is low. It is light and compact, very portable, easy to be held by one hand or installed on a tripod. It has compassing, GPS locating, laser ranging, Picture and video recording, WiFi transmitting and other functions.



## 2. Product Features

- Multi-camera fusion with high Image quality.
- Large and bright eyepiece for comfortable observation.
- Continuous laser ranging function.
- Features target highlighting function.
- Convenient and efficient operation through scroll wheels, shortcut buttons, and attitude control.
- Unnecessary to fill extra light at night to avoid expose yourself.

### 3. Product Parameters

Product Name		FIND 1C	
Tri-Camera		Low-light + Thermal	Day-light
Image Sensor	Resolution	1920×1200 / 384 X 288	2560×1920
	Video Color	False Color	Vivid Colorful
	Frame Rate	25fps	
Optics	Objective Lens	98mm F1.4 + 25mm F1.0	35mm F5.6
	Field of View	11.2°× 8.4°	8.4°× 6.3°
	Focusing Mode	Manual rotation	No focus required
	Magnification Factor	3.9×	5.3×
	Digital Zoom	1×、2×、4×	
Viewfinder	2.1inch, 1600×1200		
Detection Performance	Detect Human Target	≥1.2km @under galaxy,cool weather without rain	≥1.5km @ under sunny daylight
	Recognize Human Target	≥800m @ under galaxy,cool weather without rain	≥1km @ under sunny daylight
Video Recording	Local Storage	128G (About 30 h)	About 30 h
	Resolution	1920×1200 @ 25fps	1920×1440 @ 25fps
Other Features	Ranging	≥700m for human,≥1km for vehicles	
	Electronic Compass	Indicates direction and angle of pitch	
	Positioning	BDS, GPS	
	Target Positioning Calculation	Available	
Interface	2.4G WiFi	Mobile APP can display and storage, 1920×1200 @ 25fps	1920×1440 @ 25fps
	HDMI	1920×1080 @ 60fps	
	USB Type C	Local video & photo copying, power charging	
Operational Characteristics	Battery Life	2 × 18650 batteries, ≥7 h	
	Operating Temperature	-30°C~+50°C	
	Storage Temperature	-45°C~+70°C	
	Ingress Protection	IP65	
	Size	227mm×74mm×120mm (without eyepiece cover) , 249mm×74mm×120mm (with eyepiece cover)	
	Weight	920g (with batteries)	

#### 4.Product Illustration



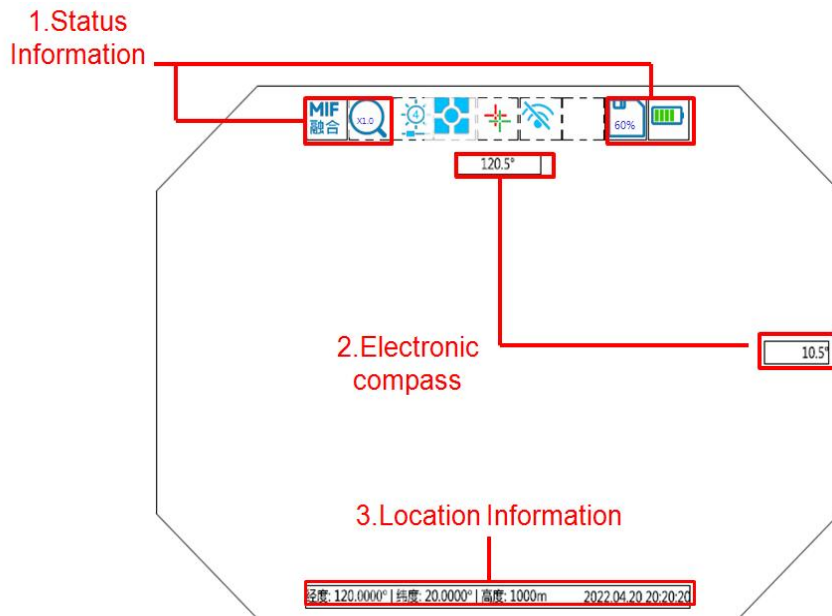


### 5.Product Usage



- (1) Install your battery first.
- (2) Press the <Power> key for 3 seconds to start observing objects through the eyepiece.
- (3) To turn off, press the <Power> key for 3 seconds.
- (4) After switch-on, the camera system will automatically choose the most suitable start-up among White-Light, Fusion, Low-Light and Thermal Imaging mode according to environmental illumination.
- (5) In Low-Light and Thermal Imaging mode, press the focusing knob until the object is perfectly focused. In Fusion mode, adjust the focus well in Low-Light and Thermal Imaging mode.
- (6) Press the <Photo&Video> button to turn on the <Photo> function. Long press the <Photo&Video> button to turn on the <Video> function. Long press this button again to turn off the <Video> function.
- (7) Press the < Ranging Button>, you can ranging. The measured distance is shown at the bottom of the screen.
- (8) Short press the <Menu> knob, the Menu icon will appear on the screen. Rotate the <Menu Knob> to select the function, then short press the <Menu> knob to confirm. Rotate the <Menu Knob> (menu-off) to adjust the digital magnification(1.0X, 2.0X).
- (9) After insert the cable HDMI interface and display, the image in the display screen can display the telescope eyepiece.

## 6.Menu Interface



• **Status Information:(As Shown Above)**



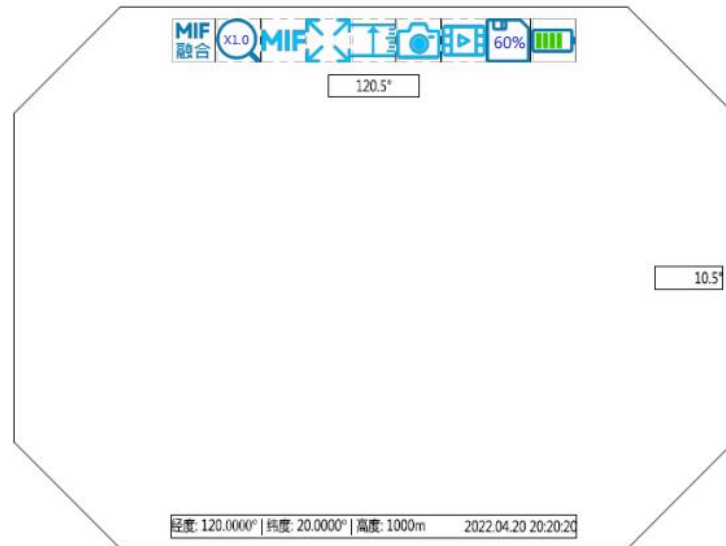
1. Status Information : Mode, Magnification, Remaining Memory Capacity, Remaining Battery Life.
2. Electronic compass:Azimuth, Pitch Angle.
3. Location Information: Location and Altitude Information,Time and date.

• **OSD illustration:**

A) In page1 the status bar is located at the upper part of the display screen, displaying the actual operation status information of the sight, from left to right:

1. Display Brightness
2. Metering Mode
3. Cross Hair
4. WIFI

## Page 2











B) In page2 the status bar is located in the upper portion of the screen, displays information about the actual operation state of the sight, from left to right in turn as follows:

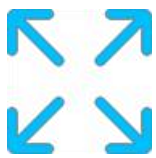



- 1、 Display Mode
- 2、 Digital Zoom
- 3、 Laser Ranging
- 4、 Take Pictures
- 5、 Video Recording

## 7.Operation Instruction

**Default instructions:**

- Press the menu knob to access the main menu
- Rotate the menu wheel to select the desired menu item
- Tap to access the menu item
- Rotate to select the required gear, short press to determine

Item	Icon	Designation	Number of Gears	Illustrate
1		Display brightness	6	<p><b>Brightness control</b></p> <ul style="list-style-type: none"> <li>• The brightness level is between 1 and 6, Higher level means higher display brightness</li> <li>• Default : 4</li> </ul>
2		Metering Mode	2	<p><b>Metering Mode</b></p> <ul style="list-style-type: none"> <li>• Average Metering Mode Default mode. Evaluate whole frame and make it to be at best exposure status.</li> <li>• Spot Metering Mode: Only evaluate small part around cross hair, ignore the rest of frame.</li> </ul>
3		Cross Hair	3	<p><b>Cross Hair(Off ,Color)</b></p> <ul style="list-style-type: none"> <li>• Cross hair can be hided or change color between red(1)/yellow(2)/purple(3).</li> <li>• Default: 1</li> </ul>
4		WIFI	2	<p><b>WIFI (On/Off)</b></p> <ul style="list-style-type: none"> <li>• This function permits transmission of Video from telescope to external equipments via WIFI.</li> <li>• Default: On</li> </ul>
5		Camera Mode	6	<p><b>Camera mode</b></p> <p>• 6 Modes:  微光、 热像、 白光、</p> <p><b>MIF1 MIF2 MIF3</b></p> <p>Low-light, Thermal Imaging, Day-Light ,MIF 1 Mode,MIF 2 Mode,MIF 3 Mode.</p>

				<ul style="list-style-type: none"> <li>• Use &lt;Mode&gt; button to switch the mode.</li> </ul>
6		Digital Zoom	3*	<p><b>Digital Zomm(1.0X 2.0X and 4.0X )</b></p> <ul style="list-style-type: none"> <li>• Rotate left side knob to switch( when menu-off), or click button as usual</li> <li>• Default: 1.0</li> </ul>
7		Laser Ranging	1	<p><b>Laser Ranging</b></p> <ul style="list-style-type: none"> <li>• Tap the button to measure the distance,or use the &lt;LR&gt; button to measure the distance.</li> <li>• Target location should be displayed when the electronic compass is turned on.</li> </ul>
8		Take Pictures	1	<p><b>Take Pictures</b></p> <ul style="list-style-type: none"> <li>• Tap the button to shoot a photo.</li> <li>• Use &lt;Photo&amp;Video&gt; button, short press to shoot a photo.</li> </ul>
9		Video Recording	2*	<p><b>Video Recording</b></p> <ul style="list-style-type: none"> <li>• Tap the button to record a video. Tap again to stop recording.</li> <li>• Use photos &amp; video button, long press on video; Long press again, stop video</li> </ul>

## 8.Precautions

- When the operating environment of the equipment changes from low temperature to high temperature, it is necessary to heat the equipment first. Otherwise, the use of the equipment will be affected, because there may be water mist on the lens.
- When used in temperature below -40°C, the battery needs to be placed in a warm place (such as a chest pocket) before the device is turned on.
- Only approved accessories and battery accessories should be used, rather than using incompatible products.
- It is recommended to use a good quality 18650 battery, because the use of inferior batteries will not only affect the use effect, but also easy to damage the equipment
- Contact with rain or fog, falling, bumping, and other behaviors will damage the equipment.
- It is not recommended to clean your lens frequently. Lens paper or cloth can be used when wiping.
- To prevent battery damage, the battery should be removed, when the device is not used for more than two weeks.
- To avoid moisture exposure to the lens, the device should be placed in a dry, ventilated place.
- Personnel who install or repair moldy equipment need certain qualifications.
- In order to avoid injury to the human eye or damage to the rangefinder, it is necessary to pay attention to the operation specification when using the rangefinder.

## 9.Package and Accessories

- 1 scope With Monocular Fusion Telescope
- 2 x 18650 batteries
- 1 piece of mirror wipe
- 1 USB cable