ACCUFIRE MULTIFUNCTIONAL SIGHT

NOCTIS V1

Product Specification





ACCUFIRE NOCTIS V1





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Product Features

- ■1080P HD Video
- ■High-Precision Trajectory Calculation
- ■Quick Calibration
- ■1-16 Times Smooth Zooming
- ■Three-Axis Gyroscope

- ■Three-Axis Accelerometer
- ■Day and Night Mode Switching
- ■WiFi Video Image Transmission
- ■AMOLED HD Screen Display

Product Specification				
Microphone	Yes	Micro SD card	2-32Gb	
Ports	USB type C、Micro SD	battery type	4 CR123A	
Dimensions	196*85*87mm	Weight	31 oz/1.6lb	
IP rating	IPX4	Battery Life	5 hours	
Mounting	Picatinny	Warranty	2 years	

Operating Instructions

Unpacking Inspection

Please follow the steps below before using the sight:

- 1. Take the sight out from the packing box.
- 2. Check whether there are accessories: sight, light shield, hood, filter cartridge, TYPE-C data cable and micro USB data cable.
- 3. Before use, please ensure that the surface of the lens is smooth.

Product Power Supply

The sight can be powered by a battery or a mobile power source, and when both power sources are present, powered preferably by the mobile power supply.

Battery Power Supply:

Install 4 CR123A batteries and tighten the battery cover.

Mobile Power Source Power Supply:

Connect the sight with the mobile power using the TYPE-C data cable

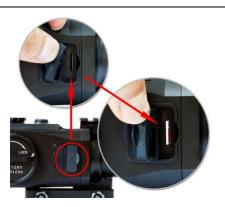




Micro SD Socket

Please be sure to insert the SD card before using the sight to ensure that the sight functions properly.

Uncover the rubber plug and insert the micro SD card as shown.



Startup & Shutdown

Start up the device: press and hold the power button until the ACCUFIRE icon appears on the screen. Shut down the device: press and hold the power

button until the screen is turned off.



Power Button and Knob

Three operating modes of power button:

Short-press 1 time: take photo

Short-press 2 times: start video

Long-press: startup & shutdown

Three operating modes of knob:

Rotate: switch option

Short-press: enter option

Long-press: enter or quit main menu





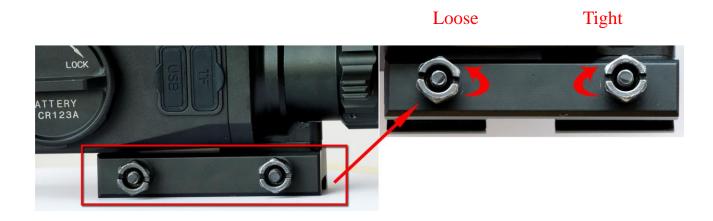
Focus Adjustment

Rotate the focus knob to ensure that a clear picture may be presented at any distance.



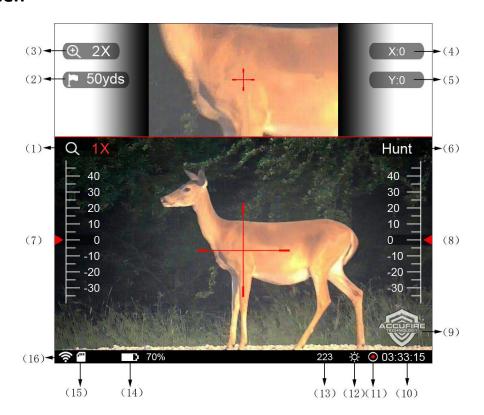
Installation

- 1. Unscrew two nuts on the mount.
- 2. Place the sight on the appropriate position of the Picatinny rail.
- 3. Tighten the retaining nut.



Interfaces

Home Screen



No.	Name	Functions	
1	Home screen	Edit and display current magnification of the	
	magnification	sight	
2	Distance	Edit and display current distance of the target	
3	Sighting area	Edit and display current magnification of the	
	magnification	sighting area	
4	Horizontal trajectory	Edit and display horizontal trajectory	
4	compensation	compensation at the current distance	
5	Vertical trajectory	Edit and display vertical trajectory	
	compensation	compensation at the current distance	
6	Hunting/observing mode	Switch between hunting and observing modes	
7	Pitch angle scale	Display attitude pitch angle scale	
8	Roll angle scale	Display attitude roll angle scale	
9	Logo	Display product logo	
10	Time display	Display cumulative time of video during video, and display the current time during non-video	
11	Video indicator	Flicker during video	
12	Day and night mode display	Prompt to use day/night mode currently	
13	Bullet category	Display the currently used bullet category	
14	Battery level	Flicker at low battery level and prompt the remaining time	
15	SD card identifier	Indicate whether the SD card exists	
16	Wifi identifier	whether the WiFi is opened	

Menu Item

Long-press the knob, and release the knob after the home menu interface appears. There are 7 menu items in total, and various menu items can be cyclically switched by rotating the knob.





















Pattern	Description
(+	Reticle Style 10: click the knob to select the cross division line style
Z	Sleep: click the knob to make the sight enter the sleep mode and turn off the screen
0	Factory reset: click the knob to enter
	Software upgrade: click the knob to make the sight read the upgrade file from the SD card and perform the software upgrade.
	Day and night mode switch: click the knob to switch day and night vision modes
í	Bullet type: click the knob to set bullet type

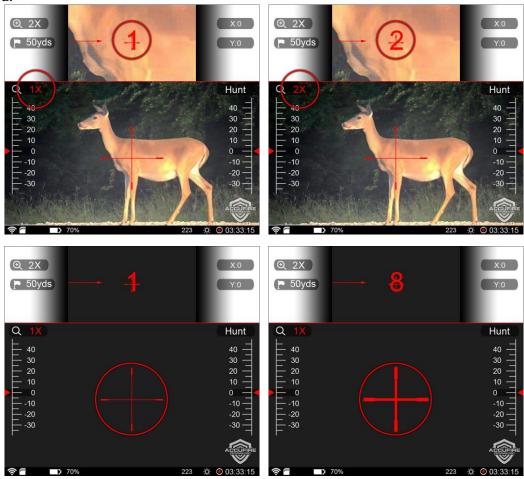


System setting: click the knob to set the time, sighting area, wifi and screen brightness

Functions

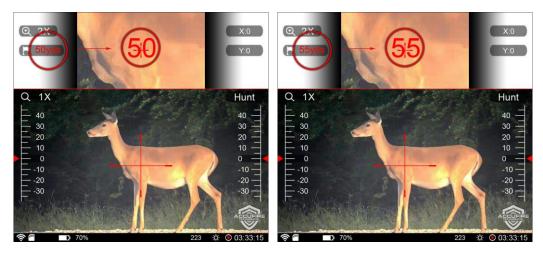
Primary Magnification

Rotate the knob to select "Primary Magnification", click to enter the edit mode, rotate the knob to adjust the primary magnification from 1x to 2x to magnify the image, otherwise reduce the image. When the magnification reaches 4 times and above, the sighting crossline will be automatically thickened.



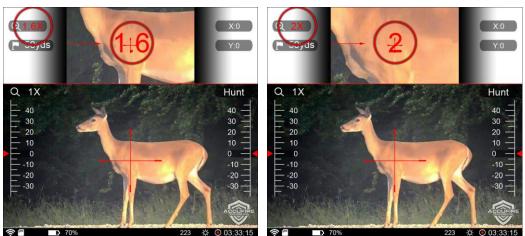
Distance

Rotate the knob to select the distance option, click the knob to set the distance value, and rotate the knob to increase or decrease the distance value.



Sighting Area Magnification

Rotate the knob to select the sighting area magnification option, click the knob to set the sighting area magnification, and rotate the knob to increase or decrease the sighting area magnification.

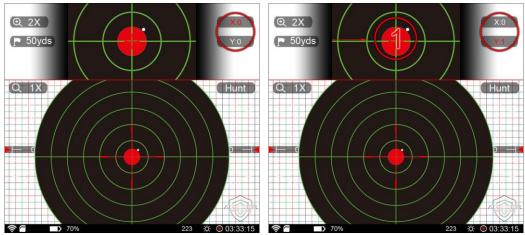


Zeroing

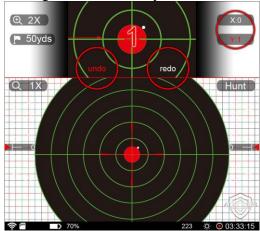
Set up a target at 50 yards and change distance on scope to 50 yards. Fire one shot at 50 yards and record where the bullet strikes the target on the X and Y axis. Input the X value(Inch) of shot into the X setting on the scope and then do same for Y. Fire a second shot after first shot has been entered on scope. If the second shot doesn't direct hit the center of target, record the 2nd shot and enter the coordinates in the X and Y settings on scope again, and then fire the 3rd shot. Continue these steps until your bullet strikes the center of target.

Once zeroed at 50 yards, adjust the target to 100 yards and change distance on scope to 100 yards, and repeat above steps until you strike center of the target.

For video instructions please visit www.youtube.com/accufiretech

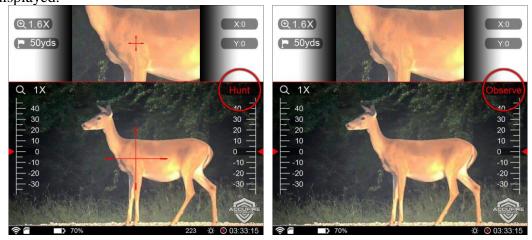


During zeroing, if the input is wrong or mishandled, you can undo or redo.



Hunting/Observing Mode

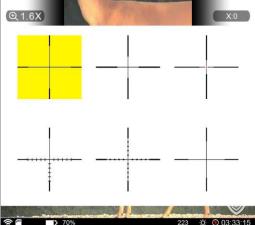
The default is the hunting mode. This option will be selected and the modes will be cyclically switched by clicking the knob. In the observing mode, the cross division line and bullet types will not be displayed.



Reticle Style

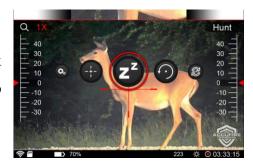
Enter the home menu item, select the reticle style, click the knob to enter, rotate the knob to select the reticle style, and click the knob to complete the setting.





Sleep

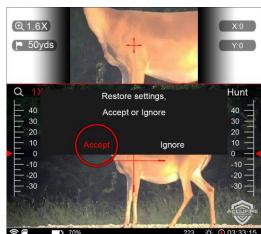
Enter the home menu item, select the sleep icon, and click the knob, the sight enters the sleep mode, and in the sleep mode, quits the sleep mode by clicking the power button.



Factory Reset

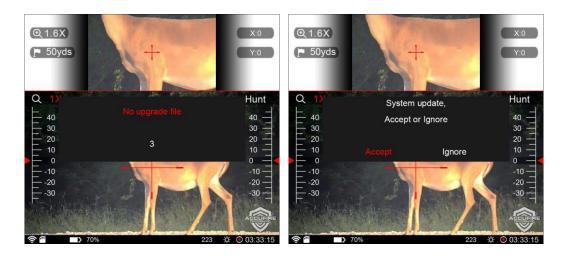
Enter the home menu item, select factory reset, click the knob, pop-up the prompt box, select "accept" to ensure that the sight restores the factory settings, and select "Ignore" to ensure that it quits the current operation.





Software Upgrade

Enter the home menu item, select the software upgrade icon, and click the knob; after the upgrade is successful, the sight will restart automatically; and if the SD card is not inserted or the upgrade file is damaged, the sight prompts "the upgrade file does not exist".



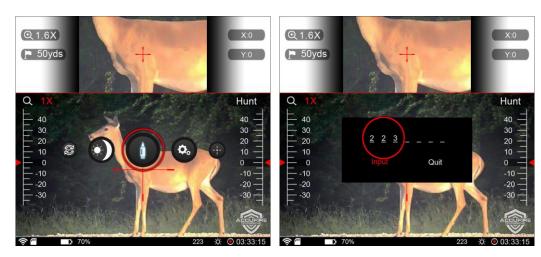
Day and Night Mode Switching

Enter the home menu item, select day and night mode switching, and click the knob to complete the mode switching.



Bullet Type Input

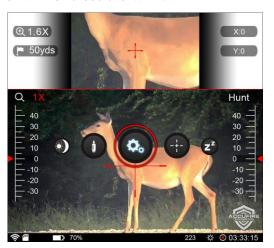
Enter the home menu item, select the bullet type, and click the knob. The bullet type can contain numbers or symbols, the numbers are 0-9, the symbols are"-/. x", four symbols in total, the bullet type can record up to 7-digit symbols. Rotate the knob to select the input position, click the knob, then rotate the knob to select the corresponding symbol, and click the knob again to complete the input of one-digital symbol. After the type input is completed, select "Input" to save the type, and select "Quit" to abandon the input.



System settings

WiFi Setting

Open the WiFi or close the WiFi.





Sighting Window Opening

Set opening or closing of the sighting window.



Screen Brightness Setting

In the system setting option, rotate the knob to select "Brightness", click the knob to enter the adjustment status, and rotate the knob to adjust the screen brightness. Screen brightness levels are 5%, 10%, 15%, 20%, 25%, 50%, 75% and 100%.



Quick Screen Brightness Adjustment

In the home screen, long-press the knob to pop up the home menu interface, and at this time, long-press and hold the knob for 2 seconds to enter the quick screen brightness adjustment mode, and rotate the knob to adjust the screen brightness. After the screen brightness adjustment is completed, long-press the knob to quit the quick screen brightness adjustment after about 3 seconds.

Time Setting

In the system setting option, rotate the knob to select the "Time" option, click the knob to enter the time setting. Rotate the knob to select the position to set the time, click to enter, rotate the knob to increase or decrease the value, and click again to quit the setting of this time position. As such, set the year, month, day, hour, minute, and second in this order.



Mobile Application

THERE WILL BE BRIEF INTRODUCTION AFTER OPENNING THE APP.

- Click "Connect Device" on the home page to enter the live preview interface. If the hotspot exists and is successfully connected, the live view will be displayed.
- If the hotspot does not exist or has not been successfully connected, the red disconnect logo will be displayed in the top-right corner of the page. If the current system is ios, you need to manually enter the settings -> WLAN -> Connect Hotspot of the ios. If the current system is Android, you need to click the red logo in the top-right corner such that the WiFi list will be populated, select the hotspot for connection, the connection password is 00000000, and automatically return to the live preview interface after the connection is successful.





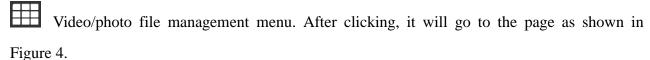
Figure 1

Figure 2

Real-time preview page. The page shows the views from camera in real time.



Video/Photo switching.





Start video/take photo



Connection status indicator

When the connection is normal, it will show



When the connection is abnormal, it will show



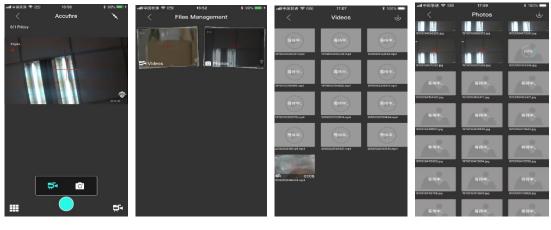


Figure 3 Figure 4 Figure 5 Figure 6

The functions of video file management:

- Download all video files: it will download all the video files when clicking
- Download one video file: it will download a single file when you click an un-downloaded video file.
- Resume download: it will resume the download when clicking a pause download video file.
- ➤ Video clipping: when clicking a downloaded video file, it will go to the clipping page as shown in figure 7.
- Delete video file: when long-pressing any one video file, it will switch to the video choose status. You can choose all files when clicking the top-right button, or a part of files when clicking each file which plan to delete. After clicking the "delete" button on the bottom, all the chosen files will be deleted.

(this function is ongoing)

The functions of photo management:

- Download all photos: it will download all the photos when clicking
- Download one photo: it will download a single photo when you click an un-downloaded photo file.
- Delete Photo: the operation is as same as deleting video file.
- Photo sharing.
- 1. Video clipping: you can clip any one downloaded video file after clicking it on video file management page. The clipping page is as shown in figure 7. The minimal of video file is 3s, and the maximal is 15s. You can choose the time duration based on the start and end indictor on the bottom of page.
- 2. After choosing the start and end time, you can click "next" button to go to the sharing page.

The sharing target button is on the top-right of page as shown in figure 8. Currently, there is a support for sharing it to YouTube and Facebook.

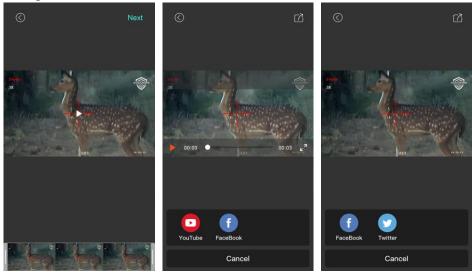


Figure 7 Figure 8 Figure 9

Photo sharing: you can share any one photo when clicking it on the photo management page, the sharing page is as shown in figure 9. Currently, there is a support for sharing it to Facebook and Twitter.