

**ATHLON**  
RIDICULOUSLY GOOD OPTICS

# CRONUS ATS PRO THERMAL SCOPE

25P-250 | 35P-400



**USER MANUAL**

[athlonoptics.com](http://athlonoptics.com)

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# DISCLAIMERS

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This product is for civilian use only and shall not be used for infringing the rights of third parties, medical, safety equipment or other applications where product failure may cause danger to life or personal injury. In the event of a conflict between the foregoing and applicable law, the law shall prevail.

# IMPORTANT INSTRUCTIONS

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This manual is a general manual for a series of products, which means that the product of a specific model you receive might differ from the picture herein. Please refer to the actual product received.

This user manual is prepared for the convenience of users to use and know our products. We have tried our best to ensure the accuracy of its contents, but we are still unable to guarantee its completeness since our products can be continuously updated and upgraded. Athlon Optics reserves the right to modify the manual at any time without notice.

## CAUTIONS

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### DANGER

- 1) Please charge the battery with the method described in this guide and follow the charging procedure and precautions. Improper battery charging will cause heating, damage and even physical injury.
- 2) Do not try to open or disassemble the battery at any time.
- 3) The internal battery can only be charged through the USB-C port and the external battery does not charge the internal battery. The optic draws current from external battery first and the internal battery when external one runs out power.

### WARNING

- 1) This scope contains advanced electronics. To prolong the life of this optic, avoid any undue physical damage or violent actions.
- 2) Do not use or store the equipment in an environment that exceeds the allowable operating or storage temperature.
- 3) Do not directly aim the equipment at high-intensity thermal radiation sources, such as the sun, lasers, spot welding machines, etc.
- 4) Avoid allowing debris to enter any ports in this optic.
- 5) Do not knock, throw or vibrate instruments and accessories to avoid damage.
- 6) Any modification, alterations or attempts to disassemble this scope will void the user's warranty. All repairs must be made through Athlon Optics.
- 7) Avoid contaminating this scope with oils or solvents.
- 8) Please observe the following measures when wiping this Scope:
  - Non-optical surface: Use a clean and soft cloth to wipe the non-optical surface of the thermal scope.
  - Optical surface: When using the thermal scope, avoid contaminating the optical lens surfaces of this scope. Avoid touching the objective lens with your hands. Oils and solvents can degrade the lens coatings. When the surface of the optical lens is polluted, use special lens paper to wipe it carefully.
- 9) Do not place the battery in a high temperature or near a high-temperature object.
- 10) Do not short circuit the positive and negative poles of the battery.
- 11) Do not expose the battery to moisture or water.
- 12) Only use the original chargers and adapters provided with this scope.

## CHAPTER 1 - PRODUCT INTRODUCTION

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The Athlon 25P-250 and 35P-400 thermal scopes deliver powerful thermal imaging solutions for both hunting and tactical use. The Athlon 25P-250 thermal scope is compact and durable, with a 256x192 resolution sensor that delivers a clear and reliable performance in demanding conditions. The 35P-400 model takes it further with a higher-resolution 400x300 sensor, offering enhanced image clarity and precision. Both scopes feature multiple customizable reticles, digital zoom, and an intuitive interface, providing a dependable and versatile tool for any situation.

## CHAPTER 2 - STORAGE AND TRANSPORTATION

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In order to prevent danger and property loss, please read this manual carefully before using the scope and strictly abide by it during its use.

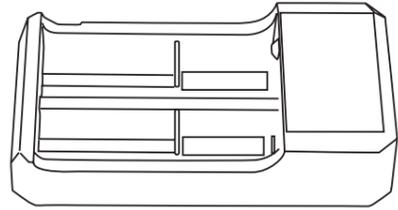
### STORAGE

- 1) The packaged product shall be stored in well-ventilated and clean rooms at -22°F ~ 122°F (-30°C - 50°C), without condensing or corrosive gas, under relative humidity of no more than 95%.
- 2) Please regularly charge it every 3 months.

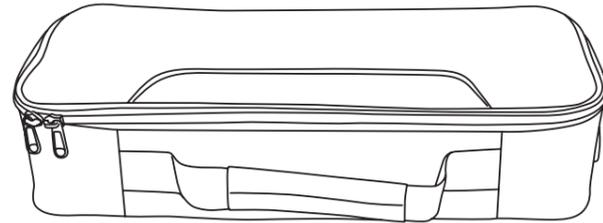
### TRANSPORTATION

The product shall be protected from rain and water. This optic contains advanced electronics. To prolong the life of this optic, avoid any undue physical damage or violent actions.

## CHAPTER 3 - LIST OF ITEMS



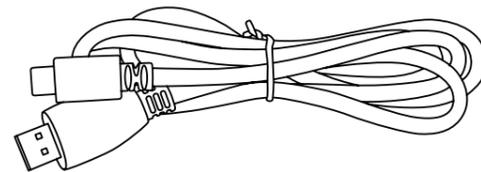
18500 CHARGER



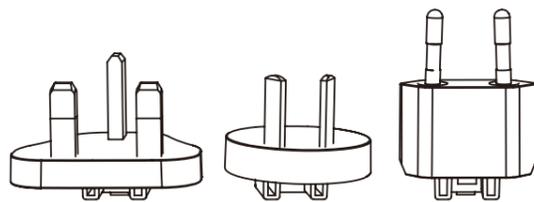
BAG



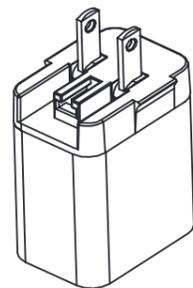
18500 BATTERY



TYPE-C CABLE



PLUG\*



POWER ADAPTER\*

\*35P-400 only

## CHAPTER 4 - TECHNICAL SPECIFICATION

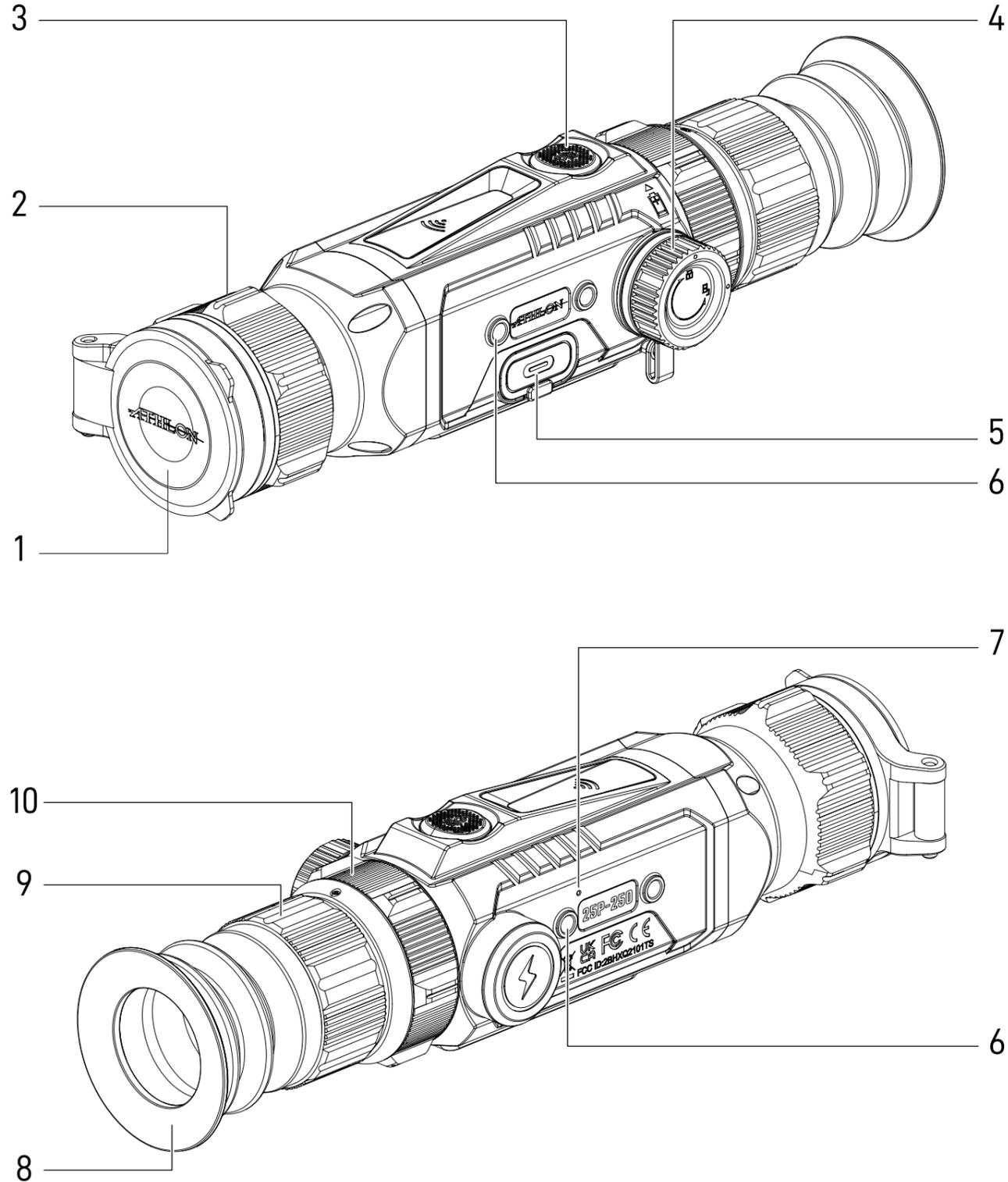
		25P-250	35P-400
Detector	Total Resolution	256 x 192 @12µm	400 x 300 @12µm
	Scope Material	Aluminum	
	Effective Resolution	400×300	640×480
	Spectral	8-14µm	
Lens	Focal length	25mm F1.0	35mm F1.0
	Focusing	Manual	
	FOV	7.0° x 5.3°	7.9° x 5.9°
Image	Frame Rate	50Hz	
	Electronic Amplification	1x - 4x	
Power	Battery	1 Built-in Battery, and 2 Spare External Batteries	
	Charging	Chargeable, USB-C	
Scope Interface	USB	USB-C (2.0) can power the Scope and charge both internal and external battery; can transmit data	
	WIFI	Realtime video transmission, 2.4G frequency range,	
	Bluetooth	Bluetooth remote control, which can connect to Scope for wireless control	
	External Extension	External monitor through USB-C	
	Tube Diameter	N/A	
Display System	OLED	0.39 Inches OLED	
	Resolution	1024 × 768	
	Diopter	-5 - +5	
	Eye Relief	1.9"	
	Diameter of exit pupil	8mm	
	Eyepiece magnification	14×	
	Scope Magnification	3.6 - 14.4×	3.3 - 13.2×

		25P-250	35P-400
Function	Linear Magnifying	Yes	
	Screen Brightness	10 levels	
	Detector Brightness	10 levels	
	Detector Contrast	10 levels	
	Image Enhancement	Yes	
	Scene Mode	Natural, Enhanced, Highlight	
	Eco Mode	Yes	
	Photo Capturing	Yes	
	Video Recording	Yes, through both Scope and APP	
	Video Recording with Audio	Yes	
	Color Palettes	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia	
	Hotspoting Track	Yes	
	Compensation Mode	Auto and Manual	
	Automatic Power-off	Off, Automatic power-off in 15/30/60 minutes	
	Auto Sleep	Off, Auto sleep in 5/10/15 minutes	
	Charging Indicator Light	Yes	
	Language Settings	English/French/German/Italian/Spanish	
	Time Settings	Yes	
	Watermark Settings	Yes	
	PIP	Upper Left/Upper Middle/Upper Right, Closed	
	Restore Default	Yes	
Internal Memory	Yes, can be formatted (32GB capacity)		
Unit of Measurement	Meter/Yard		
Bluetooth	Yes		
Zero Setting	50m/100m/200m 50y/100y/200y		

		25P-250	35P-400	
Function continued	Reticle type	10 types in total		
	Reticle color	Black/White/Yellow/Green/Red/Blue		
	Reticle Brightness	10 levels		
	One Shot - Zero in	Yes		
	Built-in Ballistic Calculator	Yes		
	Firmware Upgrade	Yes		
	System	Power-on Time	≤12s@77°F	≤12s@25°C
	Environment Adaptation	Working Temperature	-4°F ~ 122°F -20°C ~ 50°C	
Storage Temperature		-40°F ~ 140°F -40°C ~ 60°C		
Humidity		10% - 95% no condensing		
Impact		1000G/0.5ms		
Vibration		10Hz - 150Hz - 10Hz 0.15mm IEC60068-2-6		
Dust-proof / Water-proof		IP67		
Certificate		RoHS, WEEE, CE, FCC, UKCA, UN 38.8		
Package		Items Included	Thermal Scope, USB-C cable, Eyepiece Rubber Cover, 5V2A adapter (US/EU/AU/EU), External Battery ×2, Battery charger, Manual, Warranty Card	
	Color	Black		
	Weight	4.5 LBS		
	Dimensions	12" x 7" x 4"		

# CHAPTER 5 - OPERATION INSTRUCTION

This manual is applicable to many models of this series, and the illustration may not perfectly match your product.



## 5.1 QUICK START

LEGEND		
#	NAME	FUNCTION
1	Objective lens module	Thermal Imaging
2	Focus knob	Focusing
3	Power Button & QuickAccess Button	Power On/Off Quick Access / Menu Function
4	Battery Compartment	Chamber for external battery
5	USB-C Port	Power charging & data transmission
6	Picatinny Mounting hole	Mount picatinny rail
7	Microphone	Capture audio input
8	Eyepiece	Eyepiece module
9	Ocular Adjustment	Ocular adjustment for eye sights
10	Function Wheel	Zoom in / out & navigate among menu options

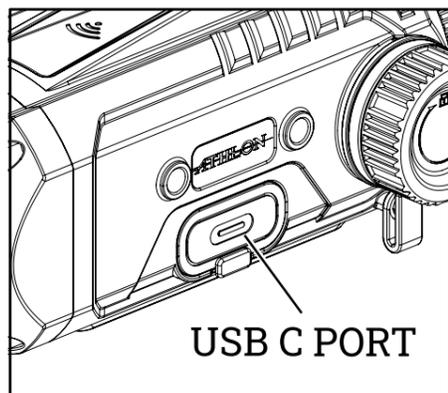
### 5.1.1 USB TYPE C

#### USB-C PORT

The external port with USB cable can be connected to the external power supply to charge the product. The output of the external power supply is 5V2A.

#### DATA TRANSMISSION

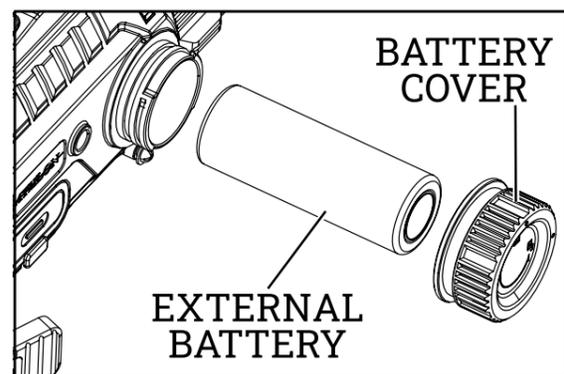
Turn on the unit, connect the unit to the PC via USB-Type C cable, then Access the data stored in the unit from the PC.



### 5.1.2 POWER SUPPLY

#### POWER CHARGING

When using the product for the first time, be sure to charge the Scope for at least 4 hours. When charging, please leave the USB cover open, use the provided Type C USB charging cable and power adapter. The charging indicator light stays red, then turns green when charging is completed.



#### BATTERY COVER

To install or remove the battery, please remove the battery cover on the left side. Insert the battery in the direction shown in the figure, do not force the battery.

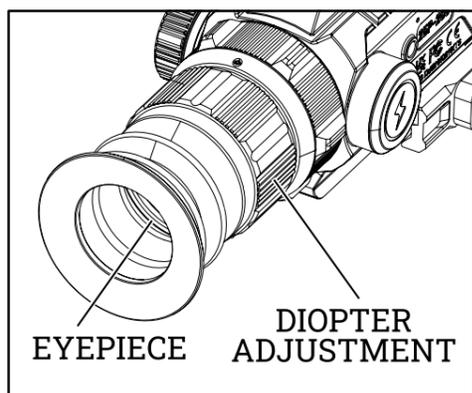
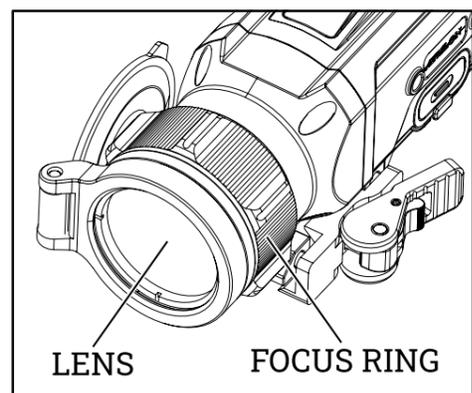
### 5.1.3 FOCUSING

#### DIOPTER ADJUSTMENT

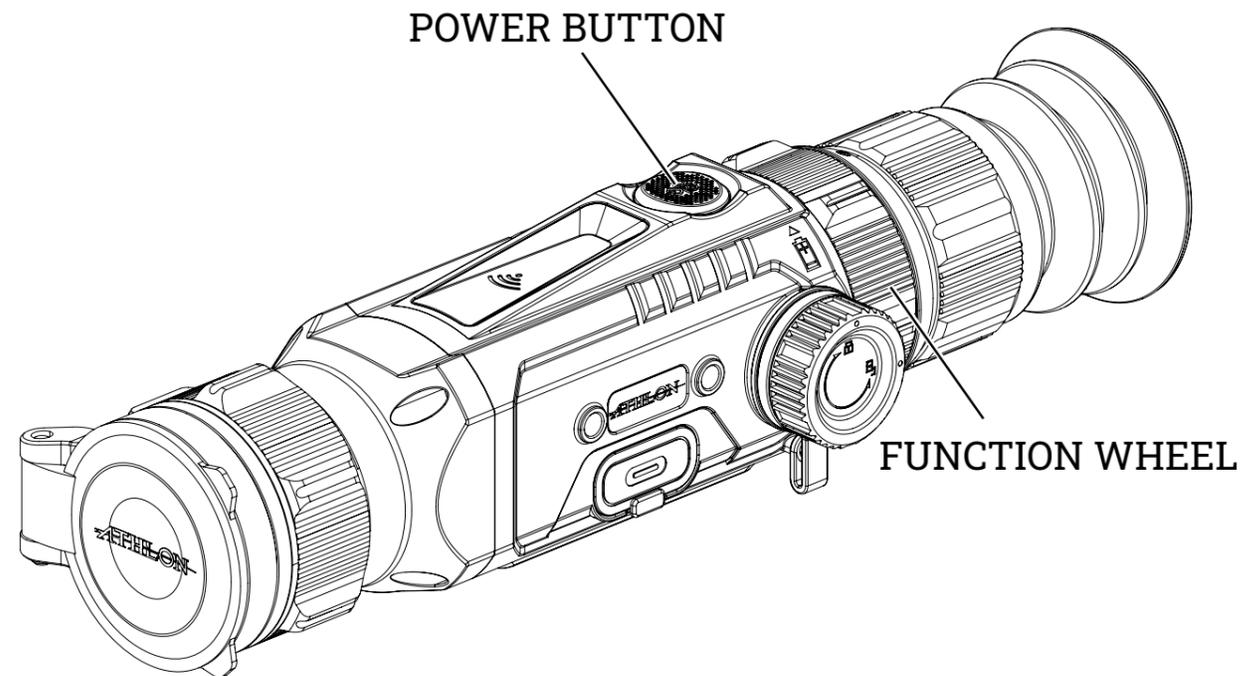
After the thermal scope is powered on, rotate the diopter adjustment knob to correct differences for each individual's eye sight until a clear image is observed.

#### FOCUS

After the thermal scope is powered on, rotate the focus ring until the target image becomes clear. Repeat this step when distance to the target changes.

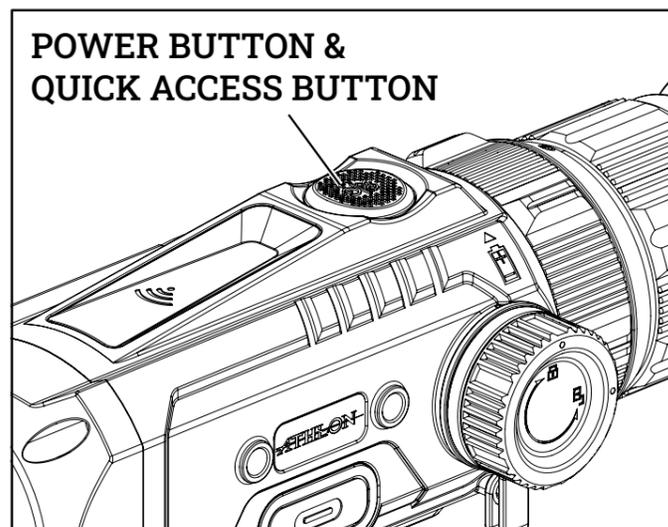


### 5.2 BUTTON DESCRIPTION



Button	Current device status	Rotation	Short Press	Long Press
Power Button	Power off	/	/	Power on
	Power on	/	Start/Stop Video Recording	Display on/off and Power Off
	Power on	/	Twice to activate menu / Once to confirm menu selection	Return to last menu or exit menu
	Display off	/	Display on	/
Function Wheel	Menu not activated	Zoom in/Zoom out	/	/
	Menu activated	Navigate menu options	/	/

## 5.2.1 POWER BUTTON



### POWER ON

Long press and hold the power button until the startup picture appears in the eyepiece. If internal battery is completely discharged, the device can not be turned on with external battery only. It can be turned on with the included power adapter through USB-C port.

### POWER OFF

- a. **Manual power-off:** long press and hold the power button, the power-off progress bar will be displayed, and the power-off is completed after the progress bar is finished.
- b. **Automatic power-off:** without any button operation, the scope will power down automatically after the set automatic power-off time.

### DISPLAY OFF

Press and hold the power button, the progress bar of power-off will be displayed. Before the progress bar is finished, release the power-off button to cancel the power off process and activate the display off mode.

### DISPLAY ON

In display off mode, press any button to wake the screen.

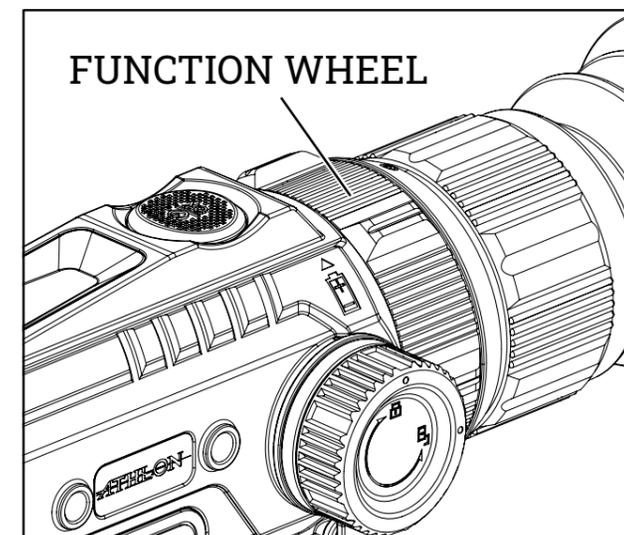
### QUICK ACCESS FUNCTION

Short press one time to start video recording and short-press one time or long press to stop recording.

### MENU FUNCTION

When it is powered on, short press the power button twice to activate the menu. Short-press the power button to confirm menu selection, long press the power button to return to upper level menu or exit the menu.

## 5.2.2 FUNCTION WHEEL



### ZOOM IN/ZOOM OUT

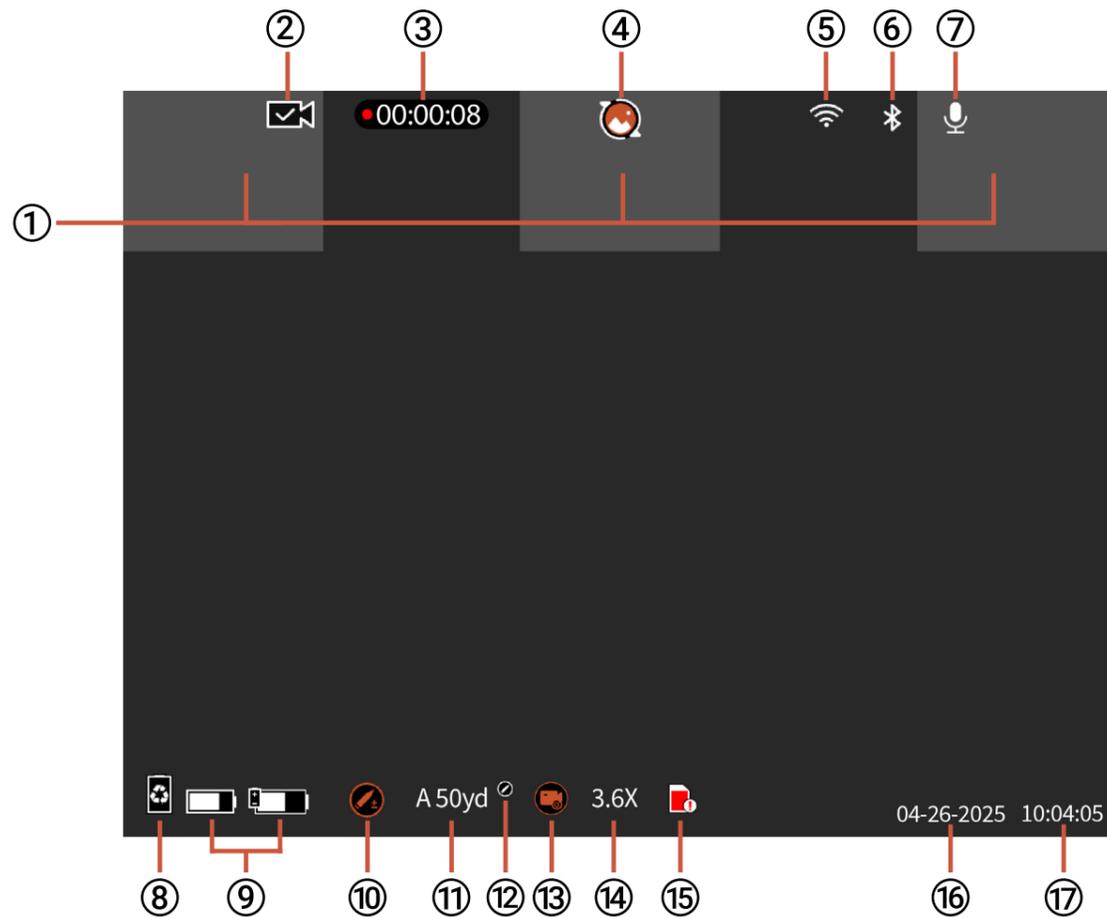
When power is on and the menu is not activated, rotate function wheel to zoom in/zoom out

### MENU MOVEMENT

When the menu is activated, rotate function wheel to navigate among menu options.

# CHAPTER 6 - FUNCTION DESCRIPTION

## 6.1 HOME SCREEN LIST



- |   |  |
|---|--|
| 1) PIP: left top, middle top, right top display | 9) Internal/External Battery capacity  |
| 2) Video Recording Successful                   | 10) Ballistic Calculator Indicator     |
| 3) Recording duration                           | 11) Zero in distance / Zero profile    |
| 4) Compensation Mode Indicator                  | 12) Ballistic configuration in profile |
| 5) WiFi connected                               | 13) Auto-shot Record                   |
| 6) Bluetooth on                                 | 14) Magnification                      |
| 7) Audio Input Indicator                        | 15) Internal memory full warning       |
| 8) Eco-mode on                                  | 16) Date                               |
|   | 17) Time                               |

## 6.2 MENU

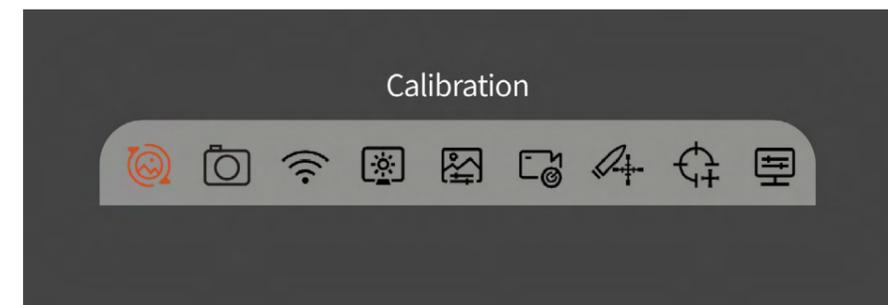
When the power is turned on and the menu is not activated, short press the "Power Button" twice to display the menu options.



### 18 CALIBRATION



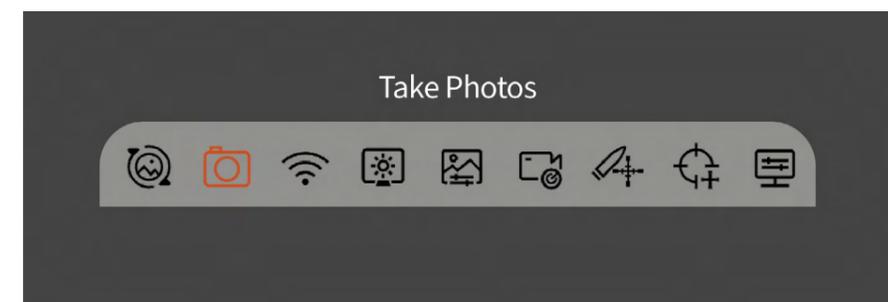
Quick access for manual compensation.



### 19 TAKE PHOTOS



Quick access for manually taking photographs.





### WiFi Connection:

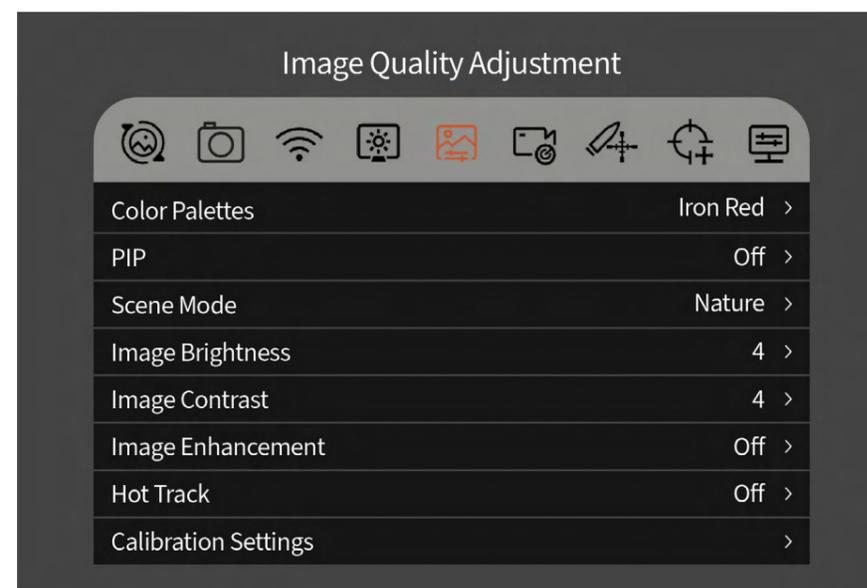
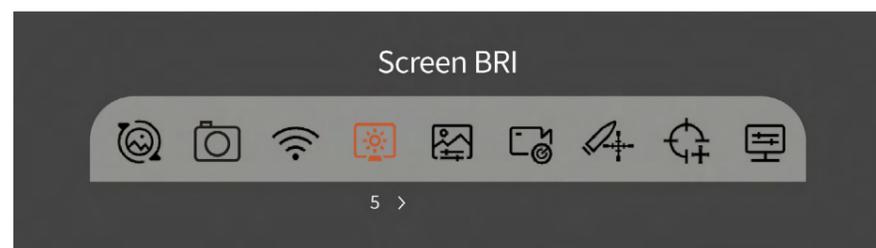
- 1) Download the "Athlon Ballistics" APP on your mobile phone
- 2) Turn on product's WiFi via the menu
- 3) Enter the mobile phone WiFi setting, select the WiFi name of "CRONUS-ATS-PRO-XXX-xxxx," then enter the password "12345678" to connect
- 4) Return to Athlon Ballistic APP on your mobile phone

WiFi can be used to transmit real-time video to the mobile phone after the mobile phone is connected to your device, and the device can be operated through the APP to access the photos/videos of the device; photos/videos can be played, shared, deleted, etc.

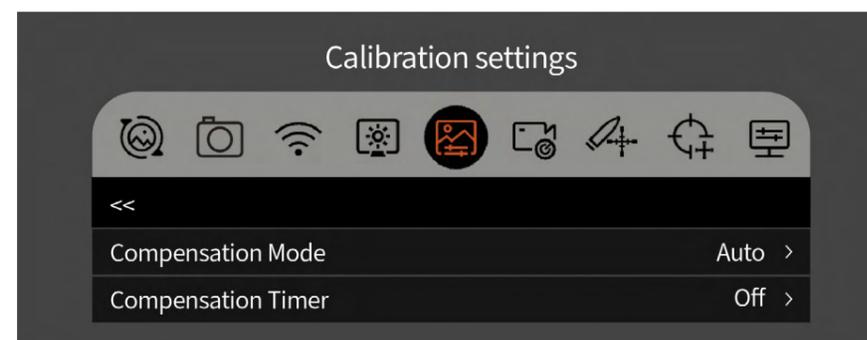
**▲ NOTE:** In order to ensure reliable Wi-Fi signal connection and stable data transmission, please keep the scope and the phone within 15 yard, and there are no obstacles (such as partition walls, etc.).



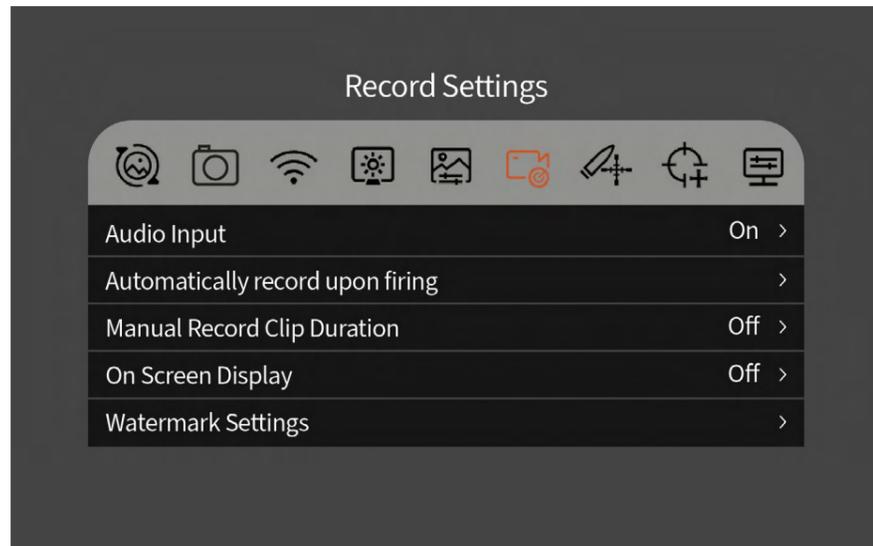
1-10 Screen Brightness level can be adjusted.



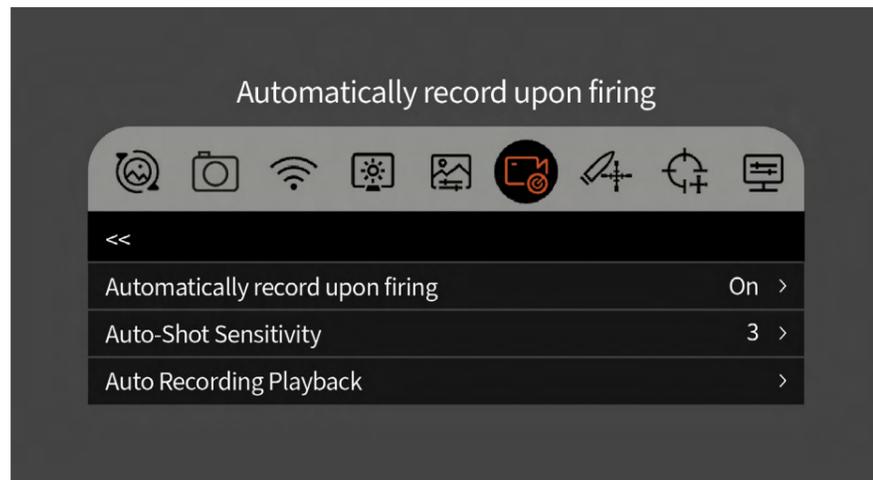
- **Color Palettes:** switch among seven color palettes (white hot, black hot, red hot, iron red, blue hot, green hot, and sepia).
- **PIP:** Choose from top left, top middle, and top right positions.
- **Image Brightness:** Brightness can be adjusted within 1-10 levels.  
**▲ NOTE:** The adjusted brightness value will be saved in the current scene mode.
- **Image Contrast:** Adjustable for 1-10 levels.  
**▲ NOTE:** The adjusted contrast value will be saved in the current scene mode.
- **Image Enhancement:** Turn on to enhance the image quality.
- **Hot Track:** Automatic heat source tracking.
- **Calibration Settings:**
  - **Compensation Mode:** The thermal sensor needs to be calibrated to regain image clarity after a period of continuous use. Automatic and manual calibration mode can be selected.
  - **Compensation Timer:** Can be turned on or off.



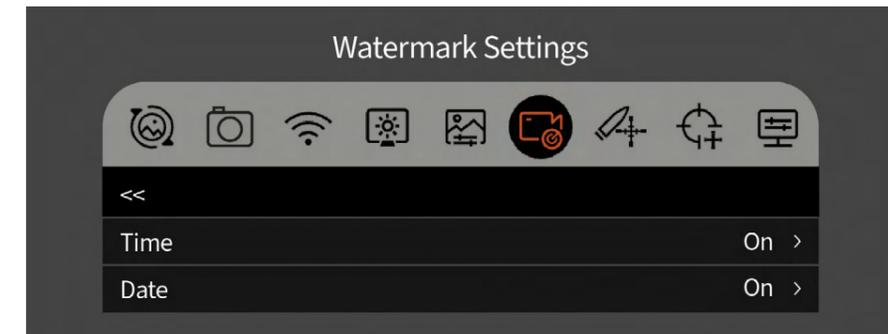
## 23 RECORD SETTINGS



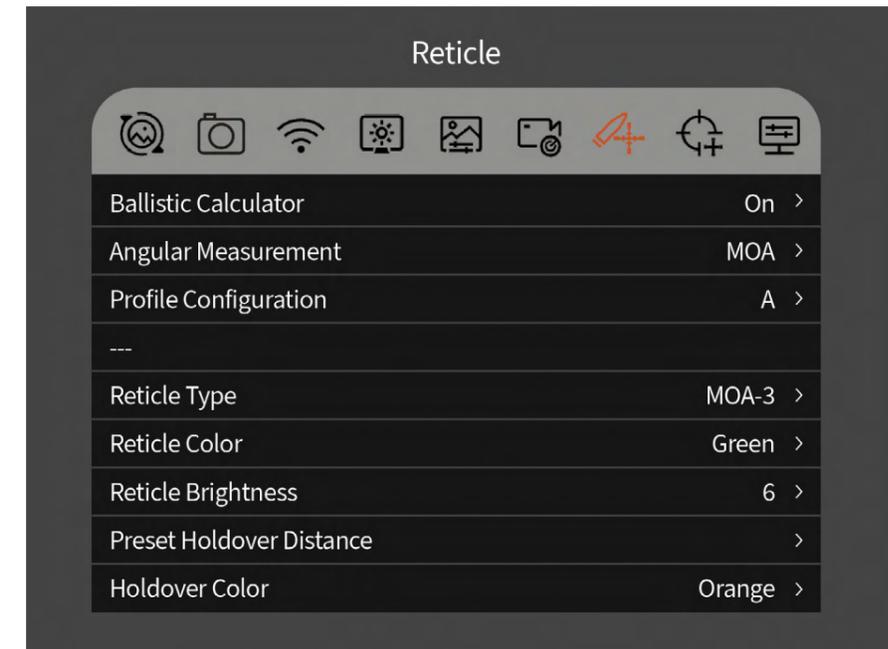
- **Audio Input:** When the microphone is turned on, you can record audio while recording video, so that the sound is integrated into the video files.
- **Automatically record upon firing:**
  - **Automatically record upon firing:** When this function is turned on, it will automatically record a video and 5 images when the user shoots (video: 3 seconds before shooting ~ 7 seconds after shooting). If a shot is made within the 7 seconds, the device will continue recording for 30 minutes.
  - **Auto-Shot Sensitivity:** Shooting trigger sensitivity, divided into 1-5 settings; the 5th setting is the most sensitive setting.
  - **Auto Recording Playback:** Auto-shot recording can be played back through this option.



- **Manual record clip duration:** 15/60 seconds clip duration can be selected to automatically end video recording within the time selected.
- **On Screen Display:** Device status icon can be turned on and off in video recordings.
- **Watermark Settings:**
  - **Time:** Can be turned on or off for video and photos
  - **Date:** Can be turned on or off for video and photos



## 24 RETICLE



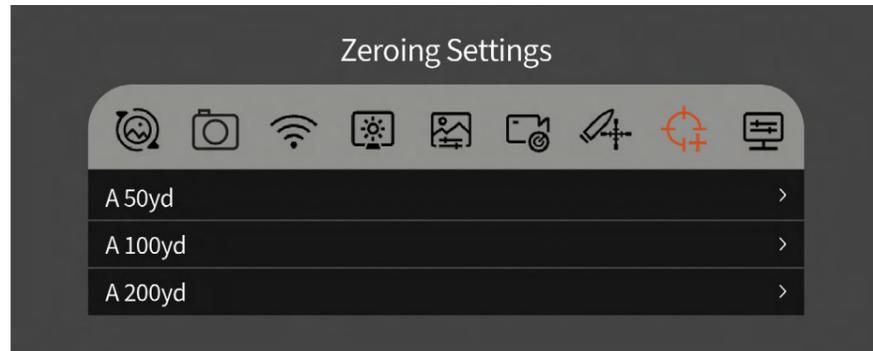
- **Ballistic Calculator:** Ballistic profiles must be created in the Athlon Ballistics APP first. Holdover points for up to 4 different distances can be set through the device and ballistic app.
- **On Screen Display:** Device status icon can be turned on and off in video recordings.
- **Angular Measurement:** MOA and MIL can be selected.

- **Profile Configuration:** 5 groups of zeroing profiles, from A-E can be saved. The zeroing distance, zeroing location, reticle type, reticle color and reticle brightness are saved for each profile.
- **Reticle Type:** 10 reticle types in total can be selected.
- **Reticle Color:** can be selected in black/white/yellow/green/blue/red.
- **Reticle Brightness:** the reticle brightness can be adjusted with 1-10 levels.
- **Preset Holdover Distance:** 4 distances can be set for holdover.
- **Holdover Color:** 4 different colors can be selected.

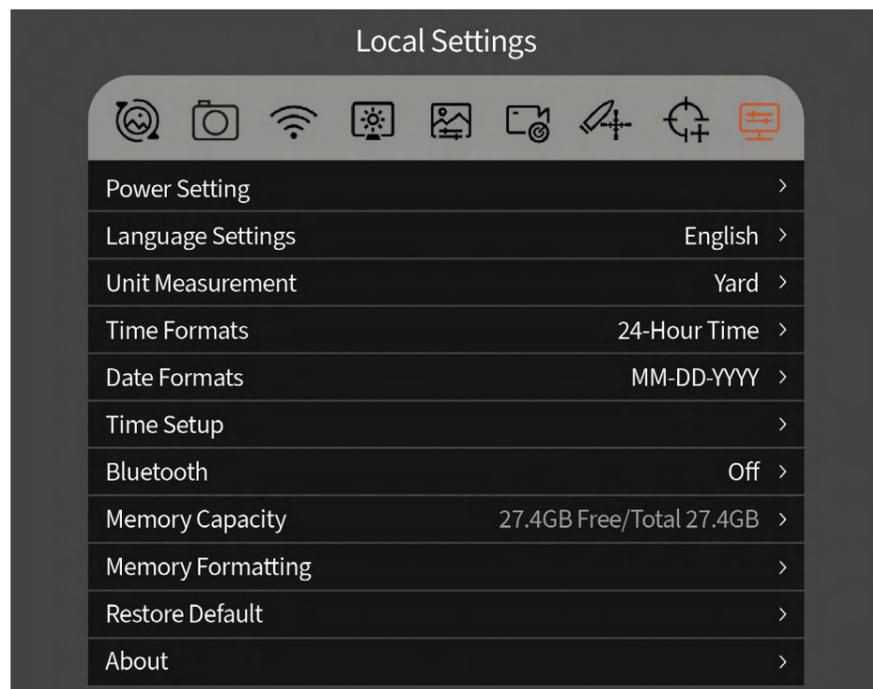
## 25 ZEROING SETTINGS



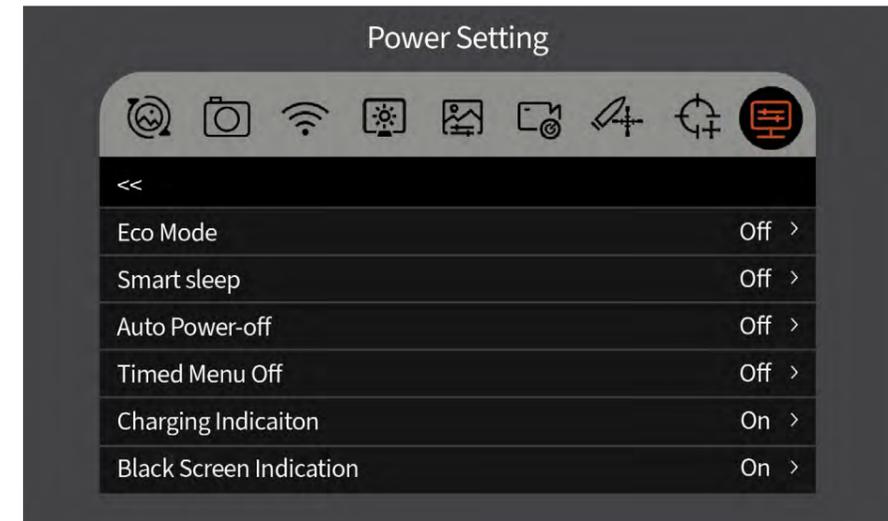
This is the user interface for one-shot zeroing. 50/100/200 yards or meters can be selected for zeroing under each group of profiles.



## 26 LOCAL SETTINGS

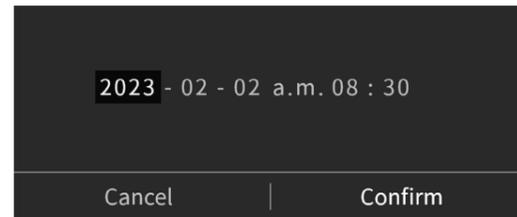


- **Power Setting:**
  - **Eco Mode:** After being turned on, the scope will switch to power-saving mode, under which OLED brightness will be fixed to 20% and cannot be adjusted, and WIFI will not be turned on. If the current WIFI is already on, WIFI will be turned off, and the shooting record function cannot be turned on. If you are currently in shooting recording mode, the prompt is turned off.
  - **Smart Sleep:** The Auto Sleep time can be set to 5/10/15 minutes. If there is no operation within the set time, the scope will enter sleep mode.
  - **Auto Power-off:** The automatic Power-off time can be set to 15/30/60 minutes. If there is no operation within the set time, the power-off will be activated, and the scope will be powered off.
  - **Timed Menu Off:** the menu can be turned off automatically within 10/20/60 seconds.
  - **Charging Indication:** Switch that turns On/Off the charging port indication light.
  - **Black Screen Indication:** Black screen indication icon can be turned on and off



- **Language Settings:** Available in English/French/German/Italian/Spanish.
- **Unit Measurement:** yard or meter.
- **Time Formats:** Selectable between 12H/24H.
- **Date Formats:** Optional from MM-DD-YYYY | YYYY-MM-DD | DD-MM-YYYY.

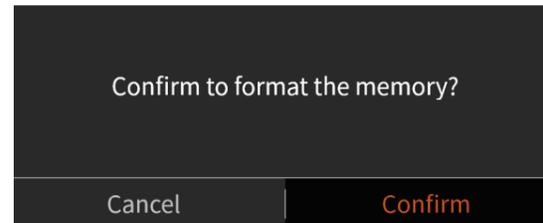
- **Time Setup:** Enter the Time Setup, rotate the function wheel to move among different options, and press the power button to enter the next level adjustment, and then rotate the function wheel to move between the specific time values.



- **Bluetooth:** Can be turned on and off.
- **Memory Capacity:** free memory capacity/total capacity.

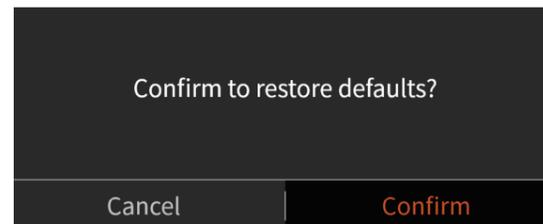
- **Memory Formatting:** Select Memory Card Formatting. Select "Confirm" to confirm formatting, and select "Cancel" to cancel the operation.

**⚠ SELECT WITH CAUTION!**

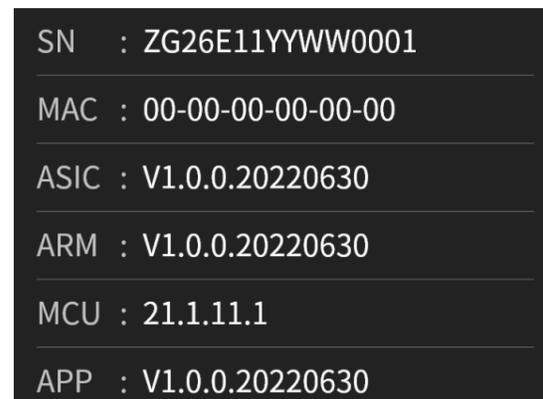


- **Restore Default:** You can choose to restore the factory settings. Select 'Yes' to restore all parameters to factory settings; Select 'No' to cancel the operation.

**⚠ SELECT WITH CAUTION!**



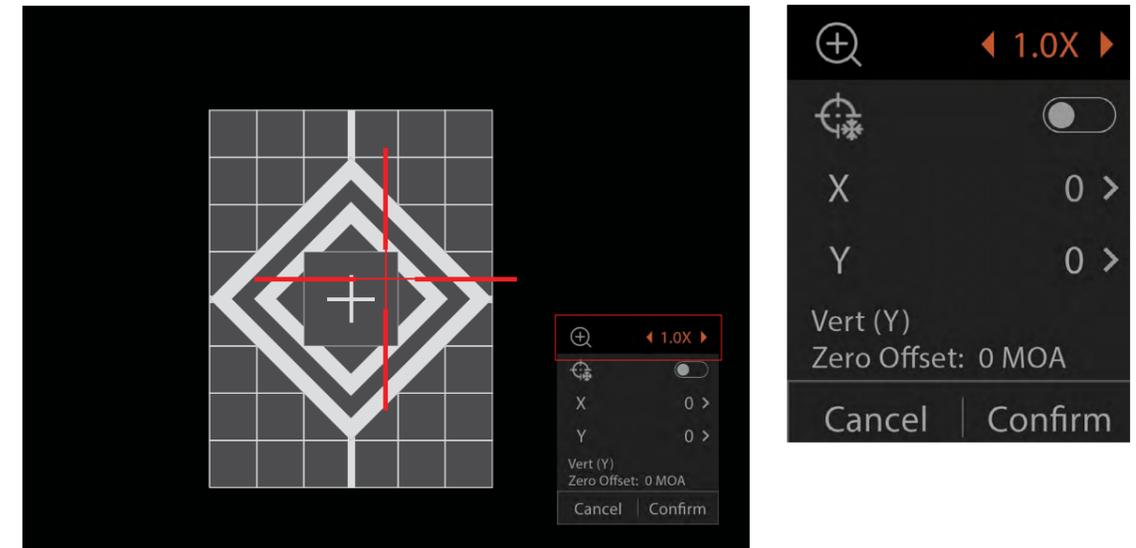
- **About:** Check the current device in the APP version number and MAC address.



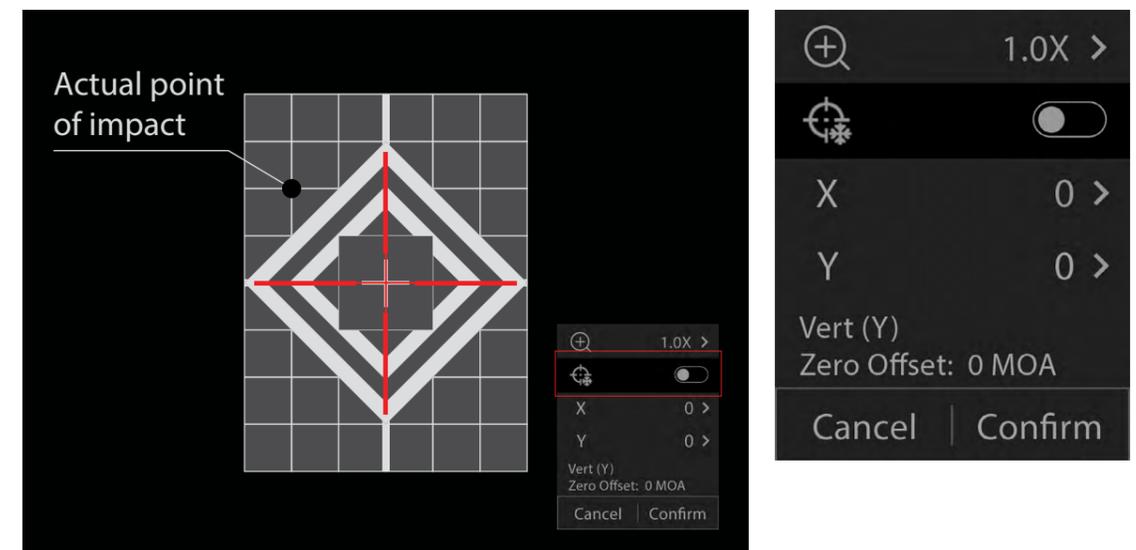
## 6.3 ONE SHOT ZERO CALIBRATION

To sight in the rifle to your zero position please follow the steps below:

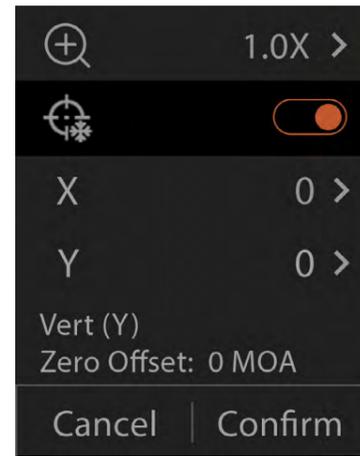
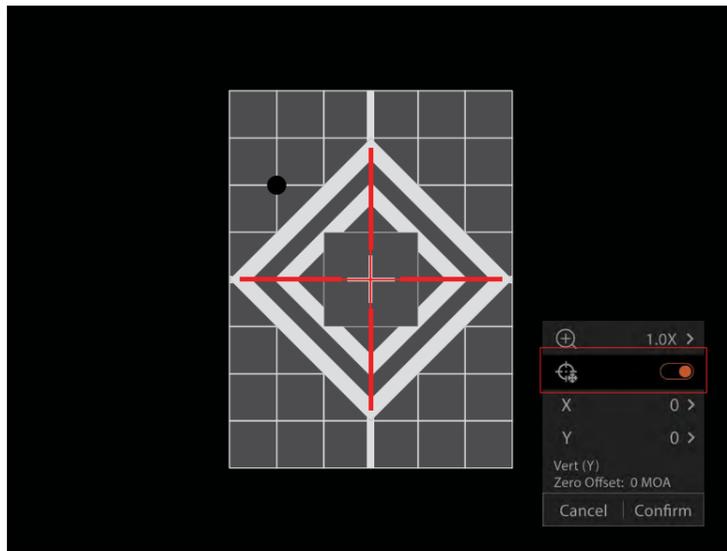
Go to Zeroing Settings interface via the menu to choose a zeroing distance and start the process. Use the power button to confirm and exit; rotate the function wheel to navigate among different menu options.



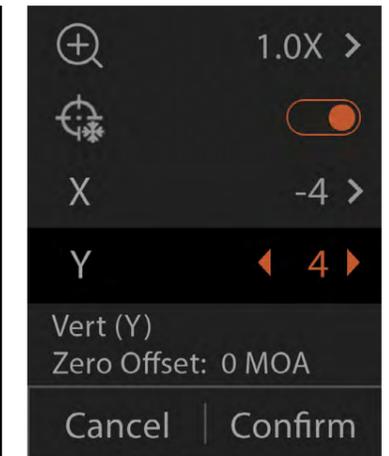
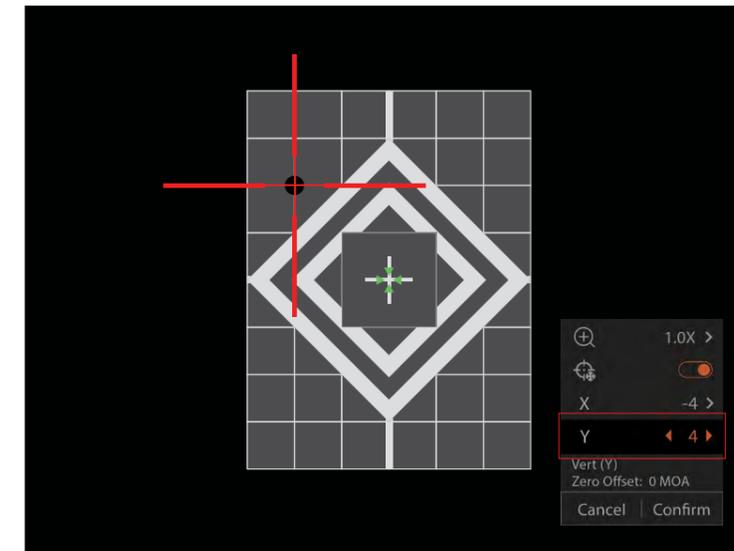
1. Short press the power button and rotate the function wheel to select the desired zoom (1X, 2X, 4X).
2. Short press the power button to confirm zoom selection.



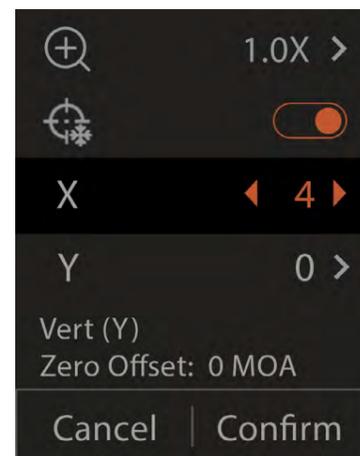
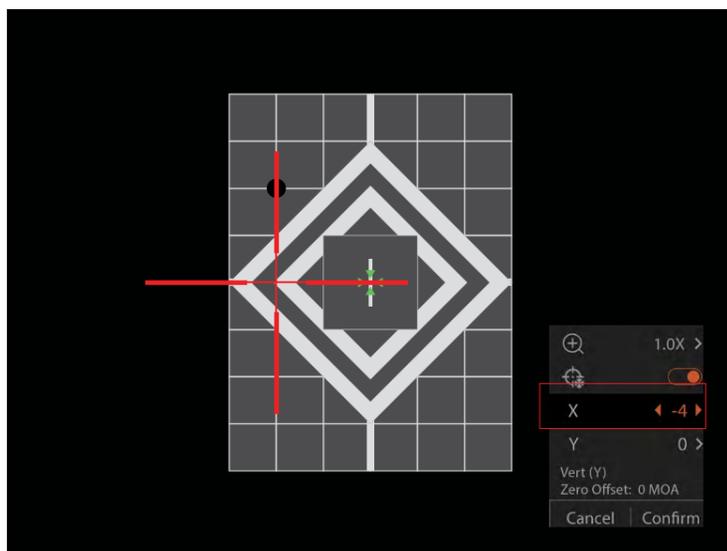
1. Rotate the function wheel to select the freeze option.
2. Aim the reticle center to the center of the target and shoot.



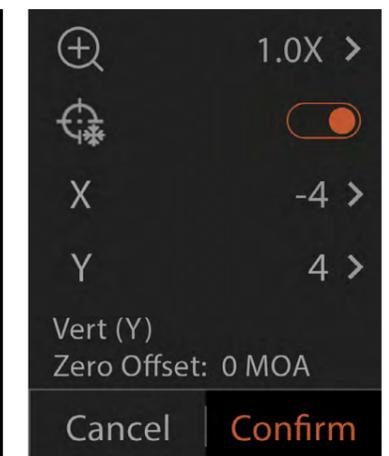
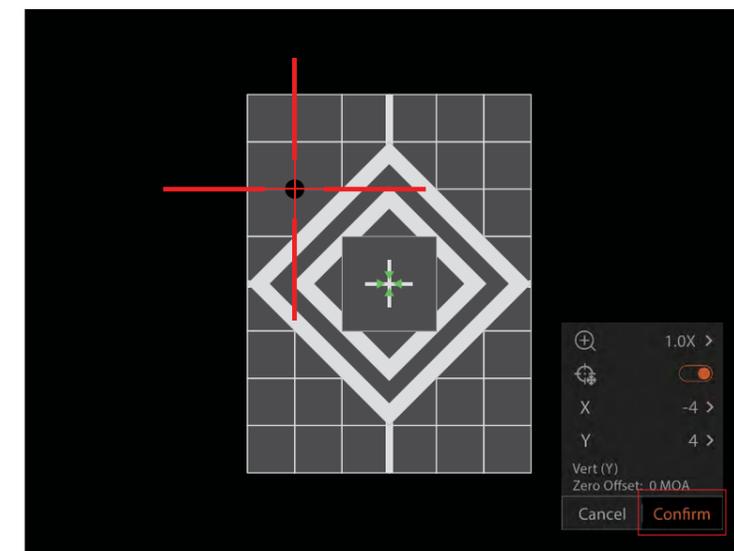
1. Hold the rifle as steady as possible and make sure the center of the reticle is pointing at the center of the target.
2. Short press the power button to freeze the image.



1. Rotate the function wheel to select the "Y" value.
2. Short press the power button, and rotate the function wheel to adjust the "Y" value until the center of the reticle aligns with the point of impact.
3. Short press the power button to confirm and exit.



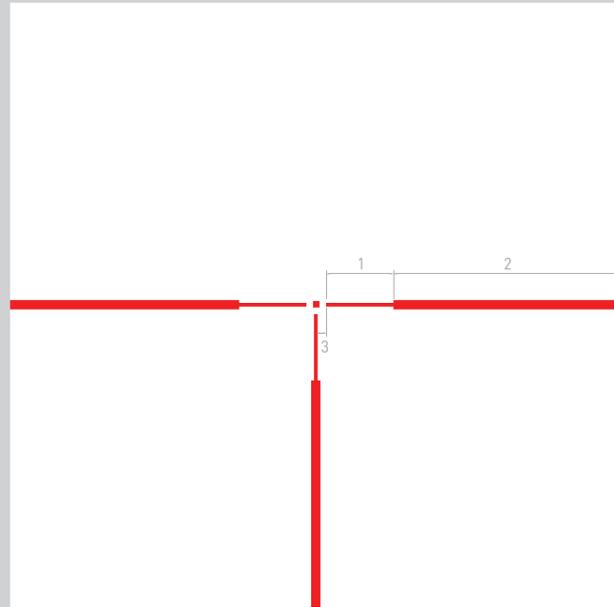
1. Rotate the function wheel to select the "X" value.
2. Short press the power button, and rotate the function wheel to adjust the "X" value until the center of the reticle aligns with the point of impact.
3. Short press the power button to confirm and exit.



1. Rotate the function wheel to select the "Confirm" option.
2. Short press the power button to confirm and exit.

# CHAPTER 7 - RETICLE DESCRIPTION

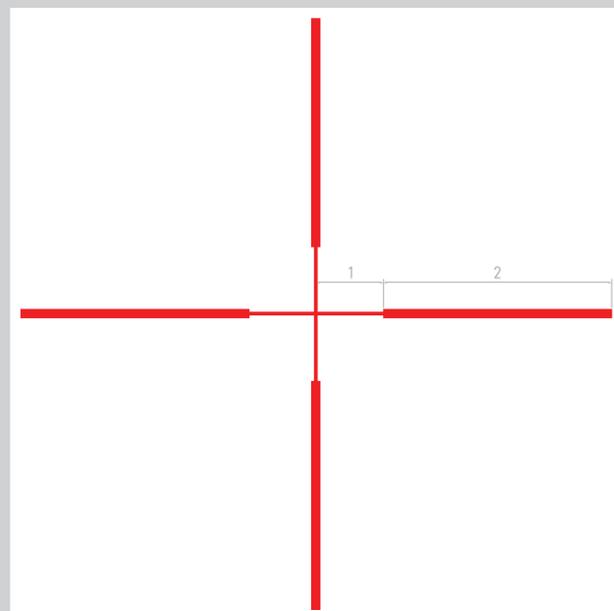
Cronus ATS PRO series thermal scopes allow user to save 10 reticle profiles, choose from 10 different reticle types (5 in MOA and 5 in MIL), 6 different reticle colors (black, white, yellow, green, blue and red), and 10 reticle brightness levels. Users can access those settings through the scope main menu or Athlon Ballistics APP.



## #01 - MOA

- 1 - 20 MOA
- 2 - 68 MOA
- 3 - 4 MOA

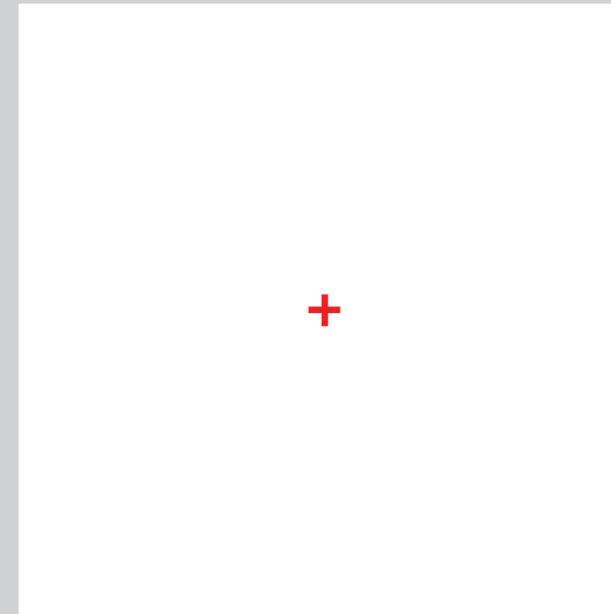
thin line - 2 px  
thick line - 6 px  
dots - 4 px



## #02 - MOA

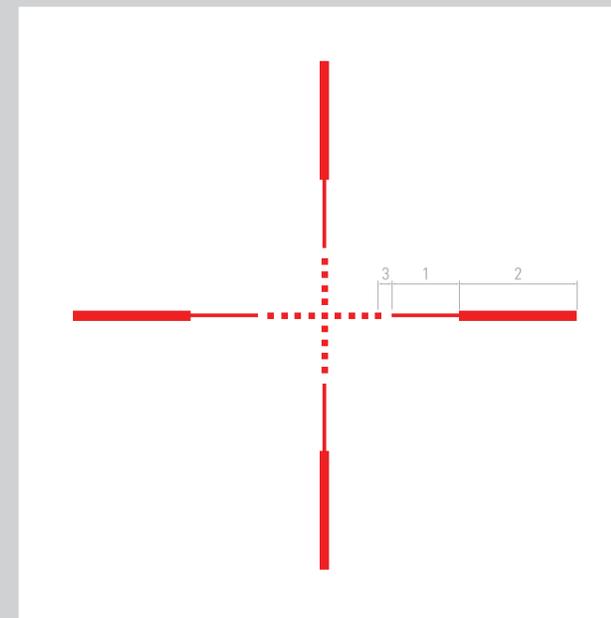
- 1 - 20 MOA
- 2 - 68 MOA

thin line - 2 px  
thick line - 6 px



## #03 - MOA

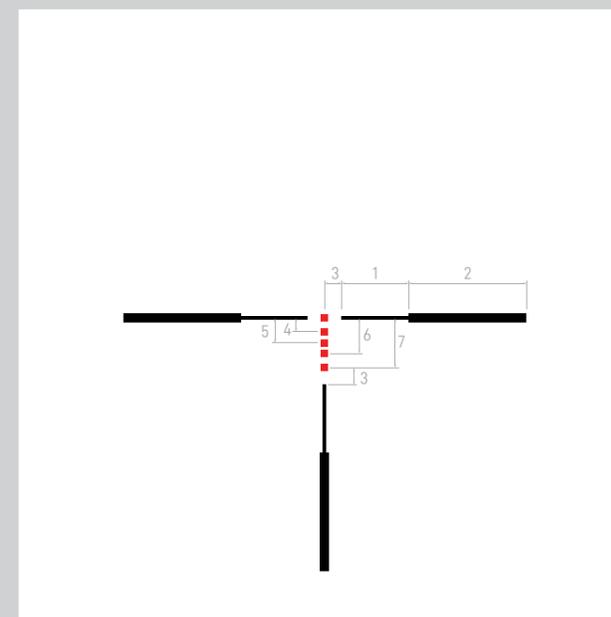
20x20 px floating cross  
4 px line thickness



## #04 - MOA

- 1 - 20 MOA
- 2 - 35 MOA
- 3 - 4 MOA

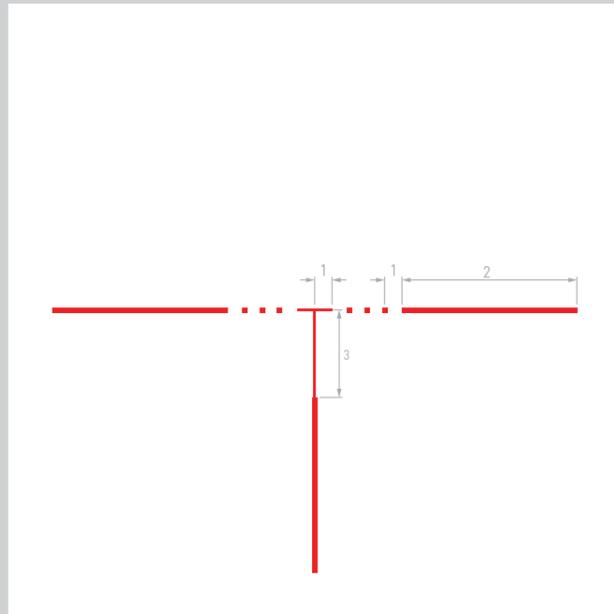
thin line - 2 px  
thick line - 6 px  
dots - 4 px



## #05 - MOA

- 1 - 20 MOA
- 2 - 35 MOA
- 3 - 5 MOA
- 4 - 4 MOA
- 5 - 7.3 MOA
- 6 - 10.4 MOA
- 7 - 14.6 MOA

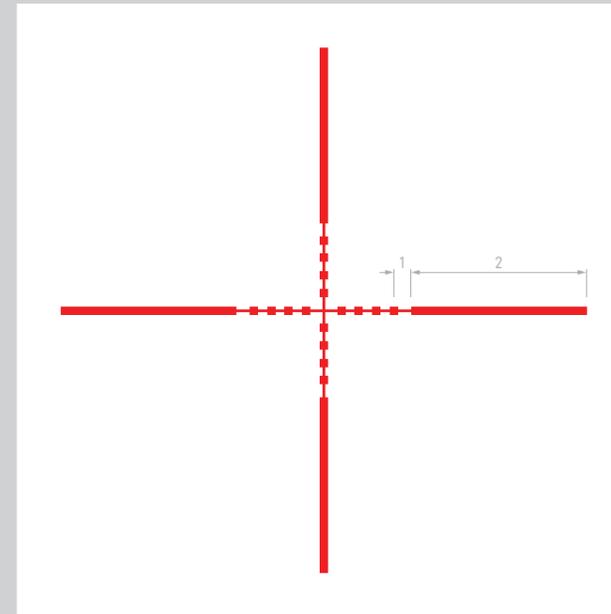
thin line - 2 px  
thick line - 6 px  
dots - 4 px



### #01 - MIL

- 1 - 2 MIL
- 2 - 20 MIL
- 3 - 10 MIL

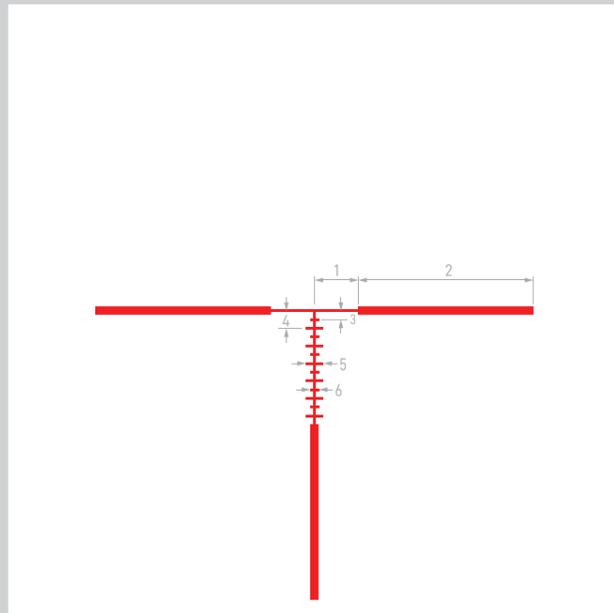
thin line - 2 px  
 thick line - 4 px  
 dots - 4 px



### #04 - MIL

- 1 - 2 MIL
- 2 - 20 MIL

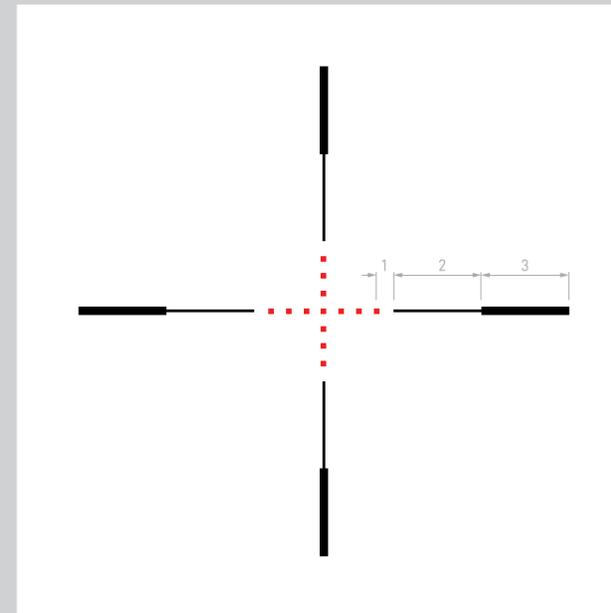
thin line - 2 px  
 thick line - 6 px  
 dots - 6 px



### #02 - MIL

- 1 - 5 MIL
- 2 - 20 MIL
- 3 - 1 MIL
- 4 - 2 MIL
- 5 - 2 MIL
- 6 - 1 MIL

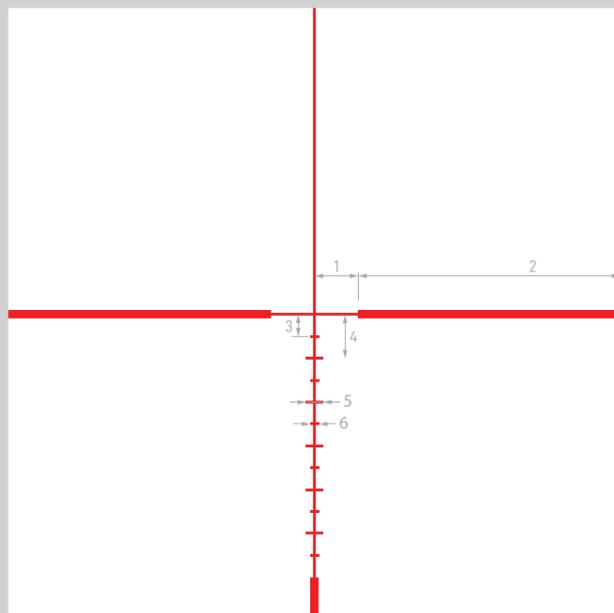
thin line - 2 px  
 thick line - 6 px



### #05 - MIL

- 1 - 2 MIL
- 2 - 10 MIL
- 3 - 10 MIL

thin line - 2 px  
 thick line - 6 px  
 dots - 4 px



### #03 - MIL

- 1 - 5 MIL
- 2 - 20 MIL
- 3 - 2.5 MIL
- 4 - 5 MIL
- 5 - 2 MIL
- 6 - 1 MIL

thin line - 2 px  
 thick line - 6 px

# CHAPTER 8 - FIRMWARE UPDATE

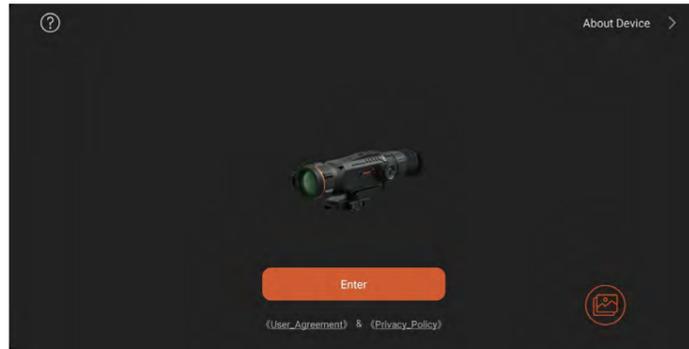
It is recommended for end users to get the latest version of firmware for improved performance and better image quality. Please follow either of the following methods to complete the update:

## 8.1 UPDATE VIA APP

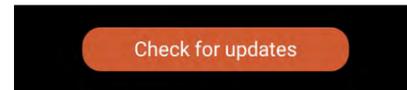
1) Power on the thermal optic and turn on the scopes WiFi through main menu.

2) Connect the thermal optic to your mobile device using this WiFi connection.

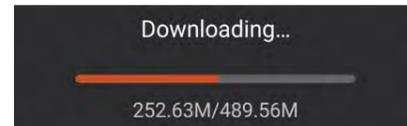
3) Open the Athlon Ballistics mobile APP and click "About Device" in the upper right corner.



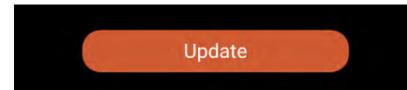
4) Make sure the mobile device has cellular data connection and then tap the "Check for updates" button.



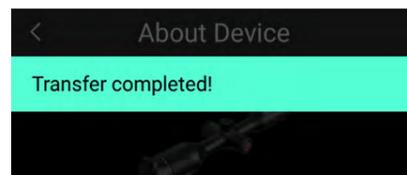
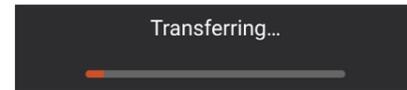
5) If there is an update available, it will appear on the screen. Tap the "Download" button and wait for 100% completion.



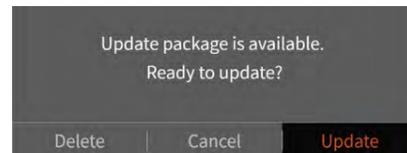
6) After the download is completed, tap the "Update" button to start the transferring process.



7) Once the firmware transfer is completed, the APP will show "Transfer completed!" on the top of the screen.



The screen of the thermal scope will show the options "Delete" "Cancel" and "Update." Rotate the function wheel and press the power button to select "Update."



Once the progress bar shows 100% completion, power off and on the thermal scope to begin enjoying the new firmware.



## 8.2 UPDATE VIA COMPUTER

1) Download the firmware package to your computer. To download, visit the following URL: <https://athlonoptics.com/thermal-firmware-update/>

Thermal Model	What's the update	Firmware Package	ASIC
CRONUS ATS PRO 25P-250	Color sensitivity	V.X.X.X	VI.X.X.XXXXXXXX
CRONUS ATS PRO 35P-400	Color sensitivity	V.X.X.X	VI.X.X.XXXXXXXX

**NOTE:** if you accidentally download the update package twice, please use the first download file named ota-asic.img **not** the file named ota-asic(1).img. The exact file name must be used.

2) Connect the thermal unit to your computer using the type C cable.

3) On your computer, copy the downloaded firmware package (ota-asic.img) to the root directory of the Thermal USB drive. Turn off the thermal unit, then turn it back on. The firmware will update automatically.

4) To check if the firmware updated successfully, open the thermal scopes menu, and use the function wheel to navigate to the Local Settings. Go to the About screen and confirm the ASIC number matches the number listed with the update package. If it matches, then the firmware has updated successfully.

## CHAPTER 9 - COMMON TROUBLESHOOTING GUIDE

### 1. UNIT FAILS TO START

Solution: Replace the battery or connect the adapter for charging.

### 2. THE UNIT CANNOT TAKE PHOTOS/RECORD

Solution: the internal storage space of the unit may be full, check the internal memory capacity.

### 3. THE UNIT DISPLAY TIME DOES NOT MATCH THE ACTUAL TIME DISPLAY

Solution: Reset the time and date of the unit in the menu.

### 4. SCREEN GOES OUT DURING USE

Solution: Short-press any button to wake up the unit from sleep mode and activate the screen.

### 5. THE UNIT IS UNRESPONSIVE TO ANY NORMAL INPUT

Solution: Long press the Menu button and the Power button simultaneously for 15 seconds to have a hard Power-off and then power it on normally.

#### Function Icons:

- ②⑦  Natural/Enhanced/Highlight mode
- ②⑧  Stadiametric Rangefinder
- ②⑨  Brightness / Contrast Adjustment
- ③⑩  Hot track, PIP, Image Enhancement
- ③①  Reticle Settings, Common Settings

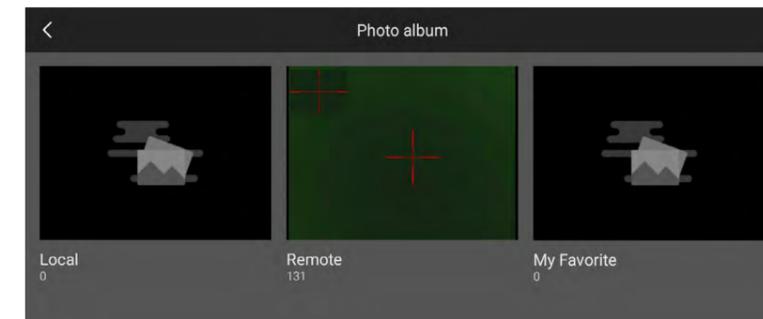
#### Other Icons:

- ③②  Shooting Status Display
- ③③  White Hot/Black Hot/Red Hot/Iron Red/Blue Hot/Green Hot/Sepia
- ③④  Shooting/Recording Control Key
- ③⑤  Recording Status Display
- ③⑥  APP Gallery entry

## CHAPTER 10 - APP FUNCTION

### App Function Description:

Control the Scope on the Ballistics APP: After the APP is successfully connected to the device's WiFi, the Scope can be remotely controlled.



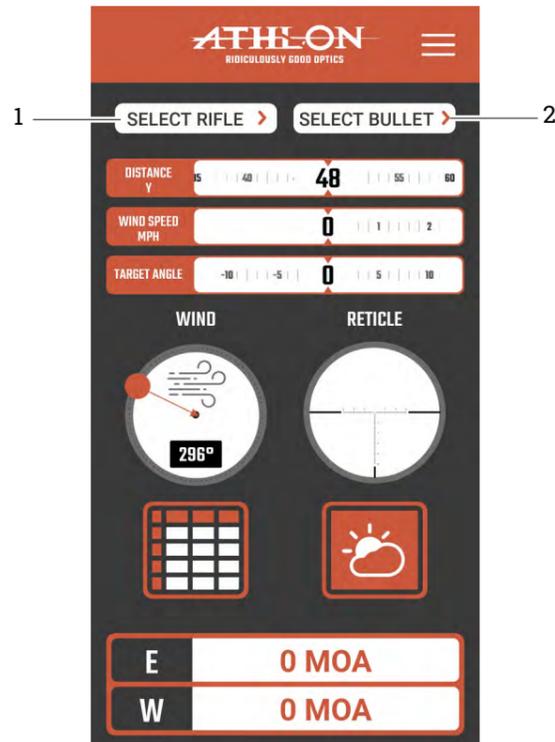
### Access files on the APP

Control the scope on the APP: After the APP is successfully connected to the device's WiFi, the scope can be remotely controlled.

- **Local album:** after the APP is connected to the scope's WIFI, the location of the file will be stored on the APP after pictures/videos are taken, and the files will be automatically saved to the local photo album of the mobile phone; the pictures/videos can be collected, shared and deleted.
- **Remote Scope:** after the APP is connected to device's WIFI, the location of the file will be stored on the APP after pictures/videos are taken; the photos/videos can be downloaded, deleted and so on. The files will be automatically saved to the local photo album of the mobile phone.
- **My Favorites:** The location where the pictures/videos are stored after they are added to my favorites.

**Ballistics:**

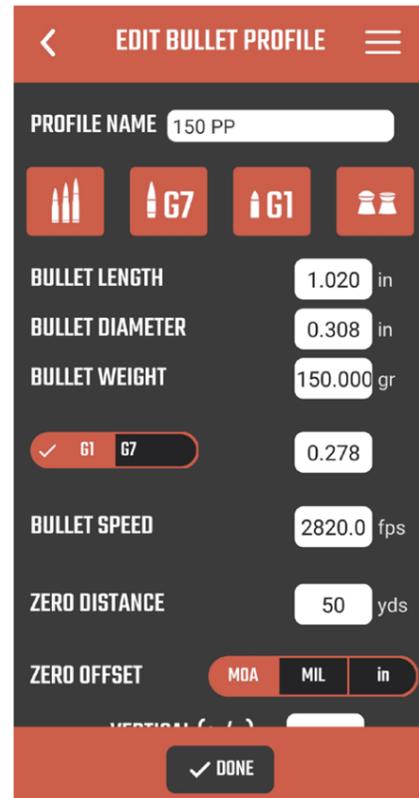
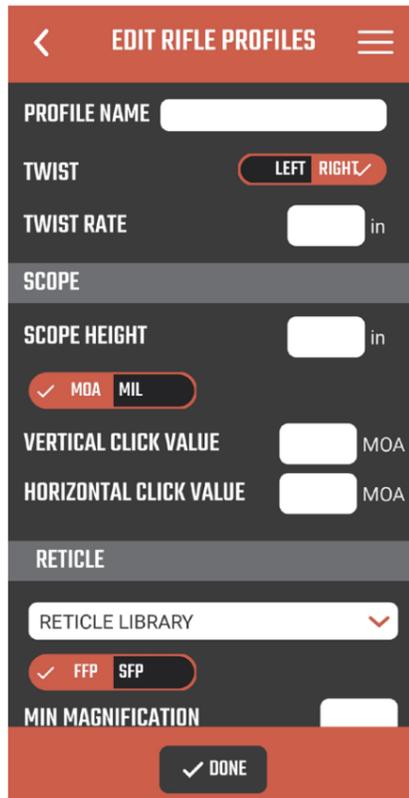
In order to get ballistics on your thermal device, you will need to download the Athlon Ballistics app to your phone. Here you will create your rifle and bullet profiles to transmit to your thermal device.



1) Create a rifle profile.

2) Create a bullet profile. Once the fields have been completed, clicking DONE will save your profile.

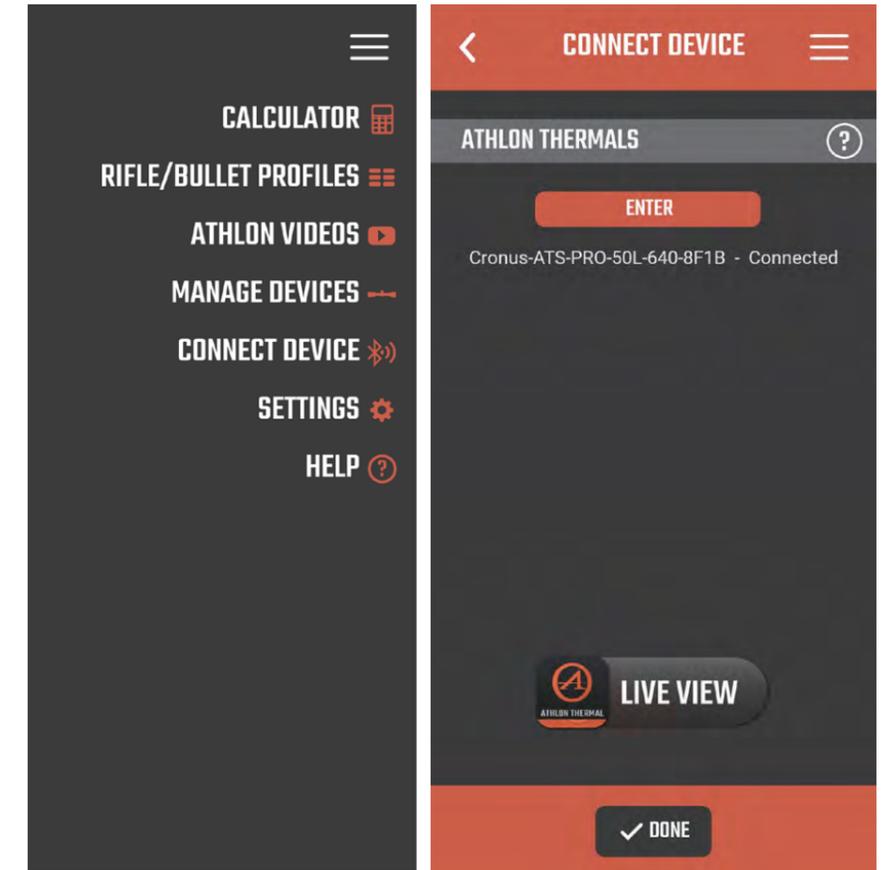
**▲ NOTE:** When creating these profiles, ensure you are providing accurate details in order to get accurate ballistics.



3) Turn on the thermal devices WiFi, and connect your cellular device to the thermal devices WiFi connection.

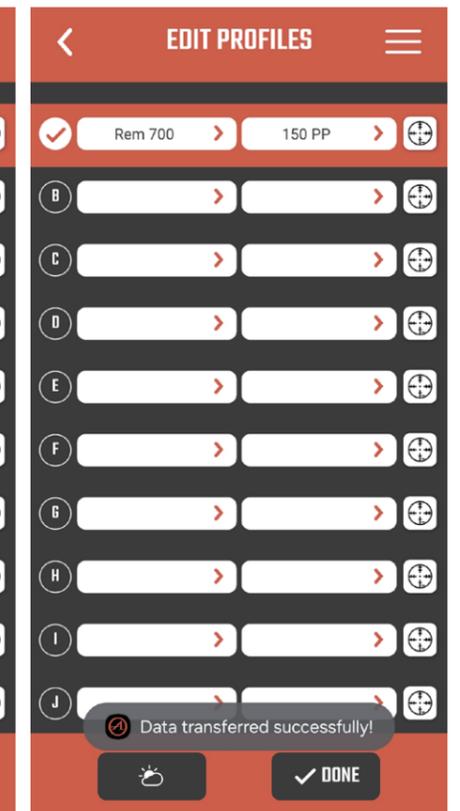
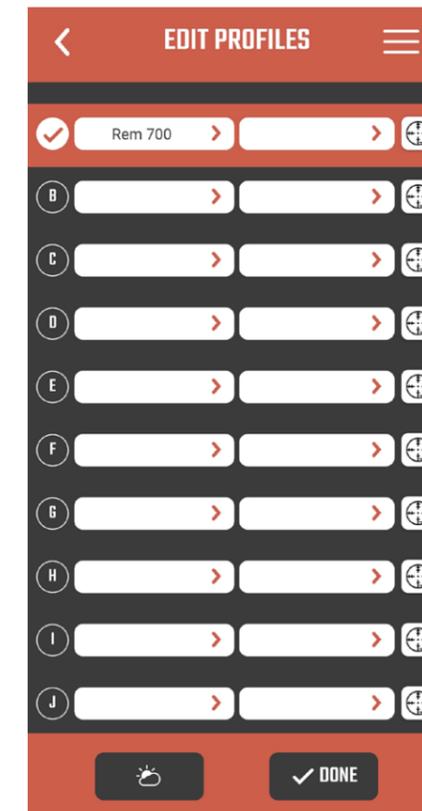
4) Open the hamburger menu and select CONNECT DEVICE.

5) Once in CONNECT DEVICE, the thermal device will be displayed. Click ENTER and then EDIT PROFILES.



6) Select the Rifle and Bullet profiles that you want to associate with the corresponding thermal Profile Configuration.

7) Clicking DONE will save the changes and transfer the data.



8) The Thermal Reticle page allows you to preview the color palettes of your main reticle, holdover reticle, as well as the crosshairs. You can fine tune the brightness and determine what ranges you want the holdovers to be at.

**THERMAL RETICLE**

PREVIEW COLOR PALETTE ^

- None
- Iron Red
- Blue Hot
- Green Hot
- White Hot
- Black Hot
- Sepia

PROFILE NAME 70-154

RETICLE MIL #1

COLOR Red

HOLDOVER COLOR Red

BRIGHTNESS

50%

10% 100%

THERMAL ZEROING DISTANCE 50 yds

ZERO OFFSET ? +1.5"

BDC HOLDOVER  ON  OFF

1ST	300 yds
2ND	350 yds
3RD	400 yds
4TH	425 yds

✓ DONE



# PRODUCT WARRANTY CARD

## Warranty Registration Required

This product carries a 5-year warranty from the date of purchase. For your product to qualify for this warranty, you must provide proof of purchase, the model and serial number of the device. Once activated, the device is warrantied 5 years from the date of purchase.

- 1) This warranty does not cover damages caused by deliberate damage, misuse, theft or maintenance provided by someone other than the Athlon Authorized Service Department.
- 2) Please note that any altering of the products, such as Duracoat, hydro dipping or spray painting, will void the warranty on all thermal devices.

Scan the QR code to complete the online form to register your device.



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Toll free: 1-855-913-5678

[contact@athlonoptics.com](mailto:contact@athlonoptics.com)

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