

ATHLON
RIDICULOUSLY GOOD OPTICS

CRONUS ATS THERMAL MONOCULAR

P-MINI 250S



QUICK START GUIDE

athlonoptics.com

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IMPORTANT

Welcome to the Athlon family and thank you for your purchase. Please read this guide before use and keep it for future reference.

This is a general guide for Cronus ATS family of thermal optics, which means that the specific model you receive may differ from the picture in this guide.

FCC WARNING

This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

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.
- The rating information is located at the bottom of the unit.

PRECAUTIONS

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.

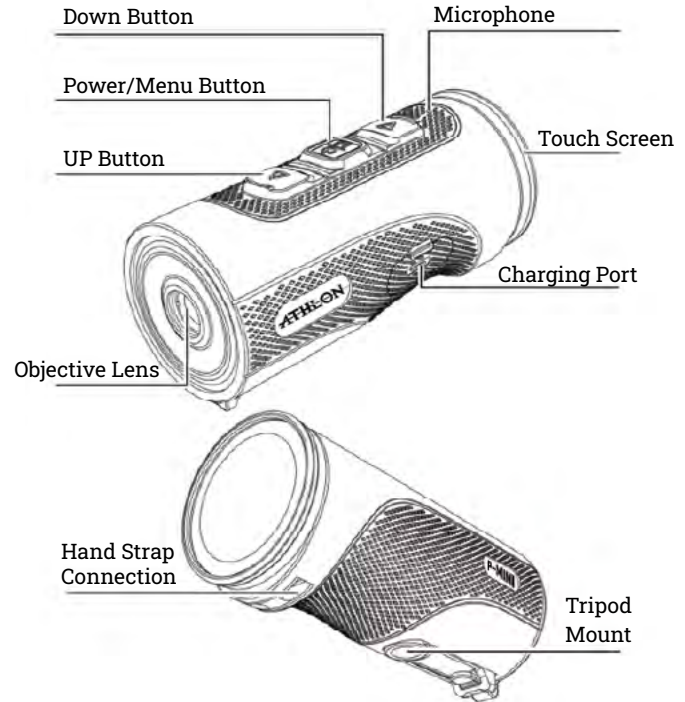
WARNING

- 1) This optic 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 optic will void the user's warranty. All repairs must be made through Athlon Optics;

- 7) Avoid contaminating this optic with oils or solvents;
- 8) Please observe the following measures when wiping this device:
 - Non-optical surface: Use clean and soft cloth to wipe the non-optical surface of the device;
 - Optical surface: When using this device, avoid contaminating the optical surface of the lens, especially avoid touching the lens with your hands, because the sweat on your hands will leave traces on the lens glass and may corrode the optical coating on the glass surface. When the surface of the optical lens is polluted, use special lens paper to wipe it carefully;
- 9) Do not use non-original adapters or chargers.

⚠ The battery can only be charged with the provided battery charger.

INTRODUCTION TO PRODUCT PARTS



Included Items	Qty
Carrying case	1
Wrist strap	1
USB Type-C cable	1

OPERATION INSTRUCTIONS

Buttons	Current Device Status	Short press	Long press
Power / Menu button	Power off	/	Power On
	Power on	Menu Display	Display off/ Power off
	Menu display on	Confirm	Return
	Display off	Display on	
Up Button	Power on, menu off	Zoom / Custom	
	Menu display on	Switch among Menu options	/
Down Button	Power on, menu off	Take Photo / Custom	Take Video / Custom
	Menu display on	Switch among Menu options	/

1. POWER BUTTON

POWER ON▪

Long press the Power button until the boot screen appears on the screen, then the device is turned on successfully.

POWER OFF▪

Manual power-off: Press and hold the Power button until the shutdown progress bar appears. Release the button during the second (red) section to power off the device.

Automatic power-off: Without any button operation, the device will power down automatically after the set automatic power-off time (see page 14).

DISPLAY OFF▪

Press and hold the Power button until the shutdown progress bar appears, then release during the first (white) section to turn off the display while keeping the device powered on.

DISPLAY ON▪

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

MENU DISPLAY▪

Short press the power button when the device is ON to access the menu.

When the menu is activated, short press the power button to confirm menu selection, and long press the power button to return to last menu or exit the menu.

2. UP BUTTON

When the Menu is not activated, short press the UP button to quickly change the magnification. Long press the UP button to cycle through magnification levels. (Button can also be customized in menu.)

When the Menu is activated, short press the UP button to navigate the menu options.

3. DOWN BUTTON













When the Menu is not activated, short press the DOWN button to take a photo. Long press the DOWN button to record video. (Button can also be customized in menu.)

When the Menu is activated, short press the DOWN button to navigate the menu options.

FUNCTION DESCRIPTION

1. HOMESCREEN LIST



-  WiFi
-  Video Recording
- 2.0X  Magnification
-  Audio
- 11:28  Time
-  40 Battery Power
-   Video Recorded
-   Calibration Succeeded
-   Photo Taken

2. MENU

ZOOM IN

Quick menu access to zoom in 1x, 2x, or 4x.

TAKE PHOTOS

Quick access for manually taking photographs.

COLOR PALETTES

Switch among seven color palettes (white hot, black hot, red hot, iron red, blue hot, green hot, and sepia).

SHORTCUT KEY

Customize the UP and DOWN buttons. Button can be customized to quickly access: Take photo & video, Color palettes, Screen BRI, Calibration, Screen off, Touchscreen lock, and Zoom in.

SCREEN BRIGHTNESS

Five screen brightness levels are available, and the screen brightness may be observed and adjusted in real time.

TOUCHSCREEN LOCK

Touchscreen can be locked to prevent accidental touching during use. Navigate back to this option using the buttons to unlock touchscreen again.

CALIBRATION

Quick access for manual calibration. 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 in advanced functions.

VIDEO RECORDING

Quick access for manually taking videos.

GENERAL SETTINGS

Unit Settings

Meters or yards.

Time and Date

Time format options: 12H/24H. Date format options: MM-DD-YYYY | YYYY-MM-DD | DD-MM-YYYY.

Always-on display

When enabled, the device is put into a power-saving sleep mode, and the screen displays a standby icon.

Auto-Rotate

If enabled, the elements displayed on screen will rotate when the device is rotated.

About

Check the current devices APP version number and MAC address.

Restore default

Use to restore the factory settings. Select "Confirm" to restore all parameters to factory settings; Select "Cancel" to cancel the operation.

▲ SELECT WITH CAUTION!

Memory Formatting

Use to format memory card. Select "Confirm" to confirm formatting, and select "Cancel" to cancel the operation.

▲ SELECT WITH CAUTION!

Manual Calibration of defective Pixel

Move the X and Y coordinates to the position of the defective pixel on screen, and complete the correction.

Charging indication

When enabled, the charging indicator flashes green while the device is charging and turns solid green when charging is complete.

Record settings

- **Audio:** When audio input is turned on, you can record audio while recording video, so that the sound is integrated into the video files.
- **Time-limited video recording:** 15/60 second clip duration can be selected to automatically end video recording within the time selected.

Power Settings

- **Smart sleep:** Smart sleep can be turned on or off. When on, the device will enter sleep mode if there is no operation within 3 minutes.
- **Timed shutdown:** The timed shutdown can be set to 15/30/60 minutes. If there is no operation within the set time, the device will be powered off.
- **Timed menu off:** The menu can be turned off automatically within 10/20/60 seconds.

ADVANCED FUNCTIONS

WiFi

When WiFi is enabled, you can pair the thermal device with your mobile phone and operate the device with the Athlon Ballistics APP. To connect to the APP:

- 1) Enable WiFi on the thermal device
- 2) Open the WiFi settings on your mobile phone and select the device WiFi network:

NAME: Cronus-ATS-PRO-P-Mini-250M-0000
PASSWORD: 1 2 3 4 5 6 7 8

- 3) Download and open the **Athlon Ballistics** APP. From the menu, select **CONNECT DEVICE**
- 4) Under the Athlon Thermals section, tap **ENTER**

NOTE: Using a VPN, powersaver modes, or 3rd party security apps can prevent the mobile phone from communicating with the P-MINI thermal.

Image Settings

- **Brightness:** Adjustable for 1-5 levels.
- **Contrast:** Adjustable for 1-5 levels.
- **Red hot sensitivity:** Adjustable for 1-5 levels.
- **Image enhancement:** Enhances the image quality.
- **On Screen Display:** When enabled, on-screen elements are embedded in the image and video files. When disabled, elements appear only on the live display and are not saved.
- **Scene mode:** There are three scene modes that can be set: Nature/Enhancement/Highlight.

Calibration mode

If Manual Calibration is enabled, navigate to Calibration in the main menu to perform manual calibration. If Automatic Calibration is enabled, it will be performed automatically.

Hot track

When hotspot tracking is turned on, a blue green arc box will be displayed, with a dotted cursor in the middle to track the highest temperature spot in the entire image.

Super Energy Saving

After being turned on, the device 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.

Stadiametric Rangefinding

The position of the lower horizontal line remains unchanged while you use the UP and DOWN buttons to move the upper horizontal line until the spacing between the two lines is equal to the image height of the target. The distance from the target can be estimated by referring to the approximate ranging values of the four animals (rabbit - 14", coyote - 21", wild boar - 30", and deer - 36") on the left.

TROUBLESHOOTING

1. THE DEVICE CANNOT BE POWERED ON•

Solution: Connect the charging cord for power supply.

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•

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

4. THE SCREEN GOES BLACK DURING USE•

Solution: Short-press any button to wake up device from sleep.

STORAGE AND TRANSPORTATION

The following is about the correct storage and transportation methods of the product. In order to prevent danger and property loss, please read this guide carefully before using the device and strictly observe it during use. Please keep this guide properly after reading.

STORAGE

- The packaged product shall be stored in well-ventilated and clean rooms at -22°F ~ 140°F (-30°C - 60°C), without condensing or corrosive gas, under relative humidity of no more than 95%.
- Please charge the battery once every 3 months.

TRANSPORTATION

During transport, it shall be protected against rain, water flooding, without severe vibration and impact.



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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