

[Manuals.plus](#) /

› [Athlon Optics](#) /

› Athlon Optics Cronus ATS 50-400x300 Thermal Scope User Manual

Athlon Optics Cronus ATS 50-400x300

Athlon Optics Cronus ATS 50-400x300 Thermal Scope User Manual

Model: Cronus ATS 50-400x300 (210131)

INTRODUCTION

The Athlon Optics Cronus ATS 50-400x300 is a high-performance thermal rifle scope designed for enhanced detection and observation in various conditions. This manual provides essential information for the proper setup, operation, and maintenance of your device to ensure optimal performance and longevity.



Image: The Athlon Optics Cronus ATS 50-400x300 thermal scope, showcasing its design and controls.

WHAT'S INCLUDED

Verify that all components are present in the packaging before proceeding with setup.

- Cronus ATS 50-400 Thermal Scope
- Carrying Case
- Rubber Eyepiece
- Lens Cap
- Two 30mm Scope Rings
- Plug Adapters
- Charger & Two External Batteries
- USB Type-C Cable

INCLUDED IN THE BOX



CRONUS ATS 50-400



CARRYING CASE



RUBBER EYEPIECE



LENS CAP



TWO 30mm SCOPE RINGS



PLUG ADAPTERS



**CHARGER &
TWO EXTERNAL BATTERIES**



USB TYPE-C CABLE

ATHLON
RIDICULOUSLY GOOD OPTICS

Image: All items included in the Cronus ATS 50-400x300 thermal scope package.

SETUP INSTRUCTIONS

1. Mounting the Scope

The Cronus ATS 50-400x300 is designed for use with a Picatinny Mount. Use the provided 30mm scope rings to securely attach the thermal scope to your rifle's Picatinny rail. Ensure proper eye relief and alignment for comfortable and effective use.

2. Battery Installation and Charging

The device operates on external batteries. Insert the charged batteries into the designated compartment. Use the provided charger and USB Type-C cable to charge the batteries. A full charge provides over 10 hours of operational use. The USB-C connection also allows for powering the optic with an external battery pack if needed.

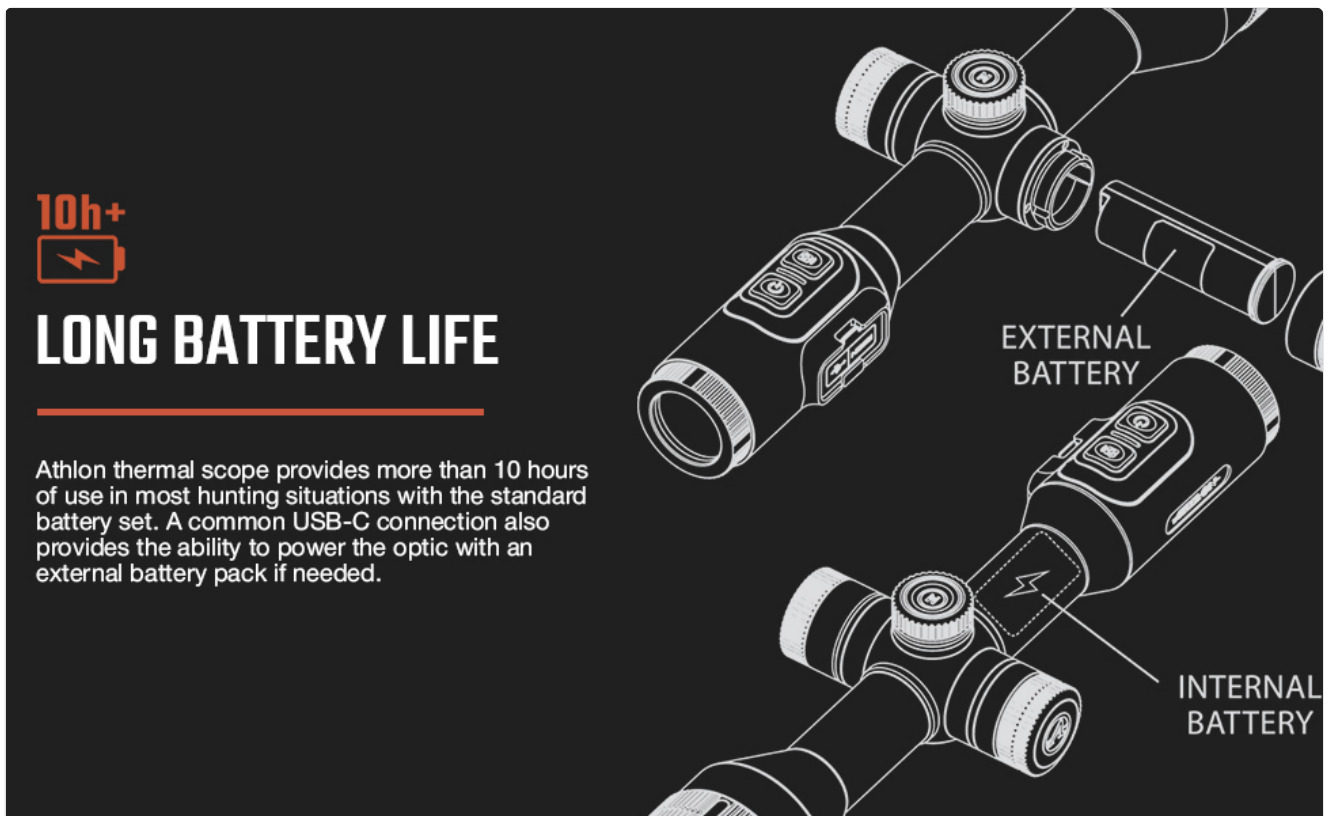


Image: Illustration of the thermal scope's battery compartments, highlighting internal and external battery options.

3. Initial Power On

Press and hold the power button until the OLED display activates. The high-resolution OLED display provides a sharp, high-contrast view with vivid color.

OPERATING THE THERMAL SCOPE

Display and Color Palettes

The Cronus ATS features a high-resolution OLED display. You can customize the display to your preferences using one of the 6 available color palettes. Brightness and contrast can be adjusted for each color palette to suit your environment and optimize target detection.

Your browser does not support the video tag.

Video: Demonstration of the 6 color palettes available on the Athlon Optics Cronus ATS thermal scope.

Reticle Selection

The scope offers a variety of digital reticle types, including 5 MOA reticles and 5 MIL reticles. Select the reticle that best suits your shooting style and environmental conditions.

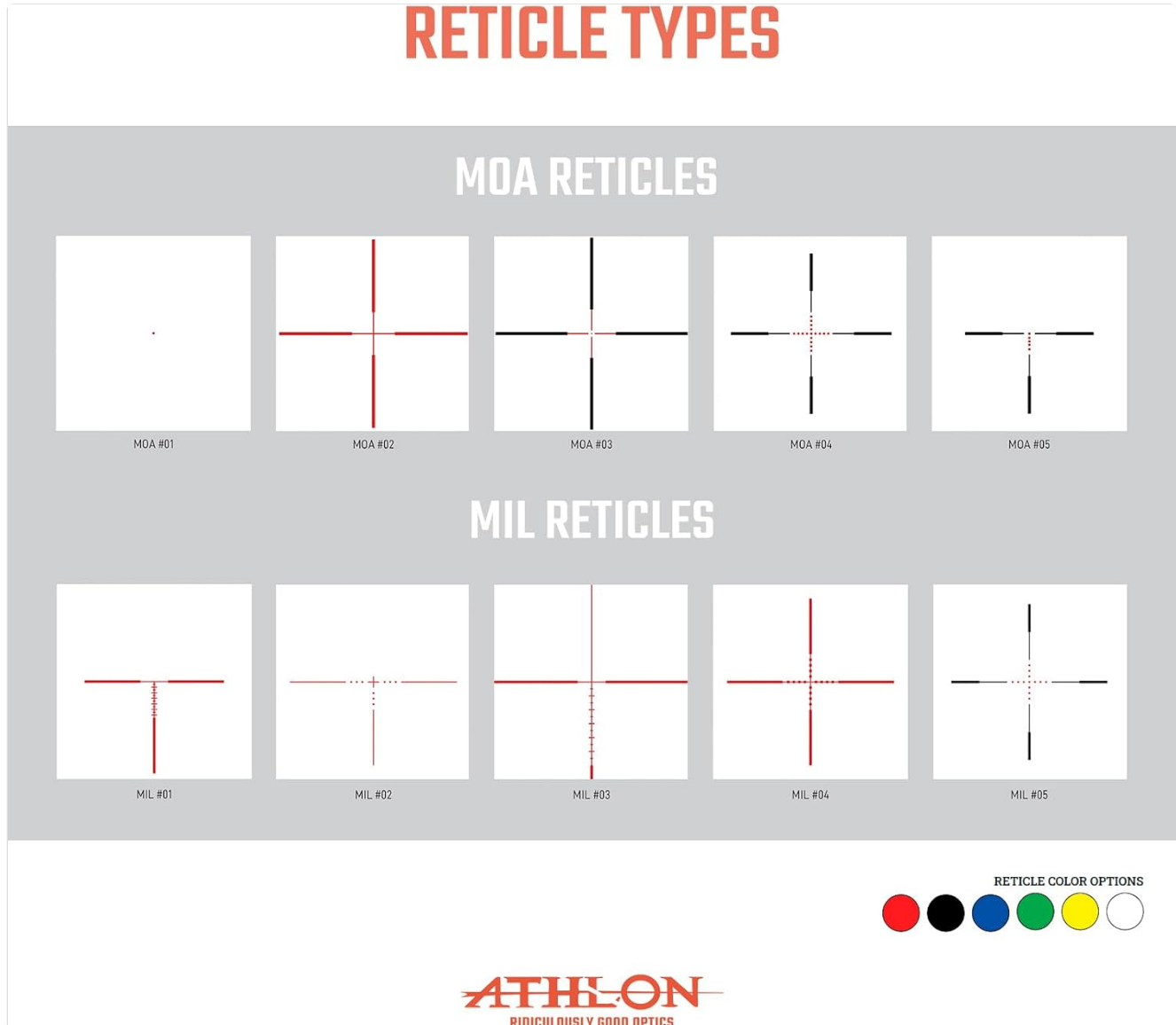


Image: A visual guide to the different MOA and MIL reticle patterns available in the Cronus ATS thermal scope.

Thermal Sensor Performance

Equipped with 12 μm pixel pitch thermal sensors and low NETD ratings, the Cronus ATS provides cleaner and sharper images. This technology allows for the differentiation of smaller temperature fluctuations, resulting in increased contrast and improved detection capabilities.

NETD <25mK **12µm THERMAL SENSOR**

SENSITIVE THERMAL SENSOR

Athlon thermal sensors have a 12 µm pixel pitch, paired with our lower NETD ratings the Cronus ATS line provides cleaner and sharper images due to their ability to differentiate smaller temperature fluctuations and increased contrast.

NETD 25mK NETD 80mK

Image: Comparison demonstrating the enhanced image clarity provided by lower NETD thermal sensors.

WiFi Connectivity and App Integration

The Athlon Thermal app, available for Apple and Android devices, allows users to connect to the scope via WiFi. This feature enables recording of video and capturing images directly from your device, preserving your hunting moments.

WIFI CONNECTION

The Athlon Thermal app is available on mobile phones, providing users the ability to record video and and capture exhilarating moments of your hunt.

OLED DISPLAY

High resolution display provides a sharp, high contrast view with vivid color.

A 50yd.

Image: Visual representation of the WiFi connection and OLED display features integrated with the Athlon Thermal app.

CARE AND MAINTENANCE

- **Cleaning Lenses:** Use a soft, lint-free cloth specifically designed for optical lenses. Gently wipe away dust and debris. For stubborn smudges, use a small amount of lens cleaning solution. Avoid abrasive materials that can scratch the lens coatings.
- **Body Cleaning:** Wipe the exterior of the scope with a damp cloth. Do not use harsh chemicals or solvents.
- **Storage:** Store the thermal scope in its protective carrying case in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure batteries are removed if storing for extended periods.
- **Waterproof:** The Cronus ATS is waterproof. However, always ensure all caps and covers are securely closed before exposure to moisture.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low or depleted battery; improperly installed battery.	Ensure batteries are fully charged and correctly inserted. Try using a different set of charged batteries.
Image is blurry or unclear.	Improper focus adjustment; dirty lens; environmental conditions.	Adjust the focus ring. Clean the objective lens with a suitable lens cloth. Allow the device to acclimate to ambient temperature.
WiFi connection issues.	Incorrect app settings; out of range; interference.	Ensure the Athlon Thermal app is updated. Verify WiFi is enabled on the scope and your mobile device. Move closer to the scope.
Display shows artifacts or freezes.	Software glitch; extreme temperature exposure.	Restart the device. If the problem persists, contact customer support.

TECHNICAL SPECIFICATIONS

Feature	Detail
Model Name	Cronus ATS 50-400x300 (210131)
Thermal Sensor	400 x 300 @12 μ m
Display Resolution	1440 x 1080 OLED
Objective Lens Diameter	12 Millimeters
Magnification (Combined)	15.1X
NETD	\leq 25mK @ 77°F/25°C

Feature	Detail
Field of View (FOV)	5.5° x 4.1°
Eye Relief	1.9 inches
Available Reticles	5 MOA, 5 MIL
Detection Range	3280 Yards
Battery Life	10+ hours
Connectivity	Bluetooth/WiFi
Mounting Type	Picatinny Mount
Weight	35.3 oz (2.2 Pounds)
Length	14.3 inches
Waterproof	Yes



Image: A graphic displaying key product specifications for the Cronus ATS 50-400 thermal scope.

WARRANTY INFORMATION

The Athlon Optics Cronus ATS 50-400x300 Thermal Scope comes with a **5-year warranty**. This warranty covers defects in materials and workmanship under normal use. For detailed terms and conditions, please refer to the official Athlon Optics website or contact customer support.

CUSTOMER SUPPORT

For technical assistance, warranty claims, or any questions regarding your Athlon Optics Cronus ATS 50-400x300 Thermal Scope, please contact Athlon Optics customer support. Visit the official Athlon Optics website for contact details and additional resources.

Website: www.athlonoptics.com

© 2024 Athlon Optics. All rights reserved.