SUPER YOTER C THERMAL CLIP-ON (BE46150)

Instruction manual

Super Yoter C shown with a custom-sized snap-on mounting adaptor

PRODUCT OVERVIEW

The Bering Optics SUPER YOTER C™ Universal Thermal Clip-on is built with the advanced 12μm Vanadium Oxide (VOx) 640x480 core and a superb 50mm Germanium Lens that is superior for predator control at medium- and long-range distances. Aimed at the growing coyote and predator hunting market, the product is exceptionally lightweight and compact.

SUPER YOTER C™ is versatile device that comes with two eyepieces, where the second detachable eyepiece enables converting the clip-on into the 4.0x magnification hand-held device with a digital zoom of up to 16.0x, making it usable for scouting and detection tasks.

The SUPER YOTER C™ clip-on can be mounted in front of the daytime time sight using a custom-sized snap-on mounting adaptor or it can also be mounted in-line using a quick-detach mount (BE80990) and paired with tactical sights, where the round-shaped snap-on adaptor is not a workable option.

The device features only three buttons to operate and navigate its functions. The device menu options are plentiful while were optimized to make the user experience efficient and frustration free.

The clip-on is nitrogen-purged, and is water-, dust- and shock-rated for .338 Win Mag., 30-06 Spring Mag., .300 H&H and other high recoil calibers.

The SUPER YOTER C™ 640x480 Thermal Clip-on is action ready in virtually any light conditions or environment, including conditions when the environmental obscurants such as dust, haze, fog, high humidity are present.

KEY FEATURES

• Superior for hogs, coyote and predator control at medium- and long-range distances
• Rugged, compact and lightweight
• Excellent performer in high humidity conditions
• Mountable in front of scopes with lens diameters ranging from 24mm to 64mm
• Optimal with 2.0x to 16.0x day time scopes
• Can be used with heavy recoil weapons, including 30-06 Spring Mag., .300 H&H, .375 H&H
• Convertible to the 4.0x—16.0x hand held Thermal scanner when coupled with a detachable eye piece
• 12μm Vanadium Oxide (VOx) 640x480 core with manual calibration
• Switchable image polarity: White Hot / Black Hot / Red Hot / Colored Hot
• Adjustable screen brightness
• Ability to center the screen with respect to the viewed reticle
• Ability to save zeroing data for up to four profiles
• Precise internal lens focusing mechanism
• High resolution 1024x768 OLED Display
• 5V DC external power supply option via a Type-C USB port
• Blind Pixel repair tool
• Standby mode
• Digital Compass
• Inclinometer
• Battery status indicator
• Nitrogen purged
• Video out

KIT INCLUDES

SUPER YOTER C™ 12µm VOx 640x480 Thermal Clip-on
QR Weapon Mount with 2 screws (BE80990)
or a Custom-sized Snap-on Adaptor (BE809XX*).
Front lens flip-up protective cap
4.0x—12.0x Detachable eye piece with a rubber eye guard
Detachable Clip-on mode connector piece
Soft Carrying Case
Lens Cleaning Cloth
Instruction manual
Video-out Type C USB cable
Two CR123 Batteries
*Corresponds to the custom-sized value

QR Weapon Mount (BE80990)

OPTIONAL ACCESSORIES

Light Suppressor with Rubber
Eye Guard (BE80910) —
recommended when the clip-on
is mounted inline using
the QR Weapon Mount (BE80990).

Super Yoter C shown with a QR Weapon Mount and Light Suppressor

SPECIFICATIONS

Product Modification	SUPER YOTER C 640x480		
Product SKU#	BE46150		
Optical Magnification in the Clip-on mode, x	1.0x		
Digital Multiplication, X	1X, 2X, 4X		
Optical Magnification in the Thermal Viewer mode, x	4.0x, 8.0x, 16.0x		
Objective Lens system	50mmF/1.0		
Angular FOV at 1.0x (horizontal x vertical), degree	8.8° x 7.0°		
Eye relief, mm (hand held mode / clip-on mode)	20 / 30		
Exit Pupil, mm (hand held mode / clip-on mode)	6 / 25		
Focus range, approx., yds / m	2 / 1.85 to infinity		
Diopter Adjustment, D (hand held mode only)	-5: +5		
Core resolution, pxl	640x480		
Pixel pitch, µm	12		
Image refresh rate, Hz	50		
Thermal Sensitivity (NETD), mK	≤ 50		
Display type and resolution, pxl	OLED 1024x768		
Start-up time, min., sec.	5		
Object type and size, approx., ft² / m²	8 / 0.75		25.8 / 2.4
Detection, approx.*, yds / m	2500 / 2290		3300 / 3000
Recognition, approx.*, yds / m	450 / 400		800 / 730
Identification, approx.*, yds / m	250 / 230		550 / 500
Dimensions w/out adaptor, in / mm (hand held mode / clip-on mode)	6.61"x2.72"x2.95" / 168x69x75 7.10"x2.72"x2.95" / 180x69x75		
Weight, approx., oz/g (hand held mode / clip-on mode)	15.6 / 442 / 18.4 / 522		
Power supply standard	CR123 (two) or 3,7V Rechargeable (two) or 5V DC (USB C-type)		
Estimated battery life, hour	up to 4		
Operating temperature, °F/°C	-4° to +122° / -20° to +50°		
Water intrusion	IP66		
Humidity, %	Up to 98%		

The distances may vary depending on the observation conditions, product modification and the magnification of daytime optics.

ATTENTION!

<u>For the most optimal user experience, please read this manual thoroughly before operating this device.</u> And keep this manual in a safe place for future reference.

WARNINGS AND CAUTIONS

This device contains highly specialized and sensitive internal electronics. Handle with care. This device contains no operator serviceable components. Contact Bering Optics customer support if you cannot diagnose an issue. Disassembling the device WILL void the warranty.

WARNING Ensure that the device is powered off before installing or removing batteries. Failure to do so could result in the damage sensitive internal electronics.

WARNING Do not mix rechargeable and non-rechargeable CR123 batteries.

CAUTION Do not store the device with the batteries installed.

WARNING Do not disassemble, puncture, recharge, or expose the battery to fire or high temperature. Doing so may result in an explosion and chemical burns. When the device is not in operation for a prolonged period, remove the battery from the device and keep it separately in a cool and dry place.

WARNING Do not operate in a potentially explosive environment, near gasoline fumes or other volatile materials. This is a high voltage electrical device.

WARNING Do not aim this deice at the high-intensity sources like the sun, flame etc. This may damage the product.

WARNING Avoid direct sun beams through the eyepiece. It can burn and damage the device detector.

WARNING Use of Thermal vision attachments or riflescopes on a rifle may be restricted or prohibited by national or local regulations. Please consult with local authorities as to whether you are allowed using the night vision attachment on your weapon legally in your area.

WARNING Avoid exposure to water — even though the device is water resistant, excessive exposure could damage the electronics.

CAUTION Presence of one or several segments (spots, stripes) of a brighter or darker gradation in the field of view is normal. The segments often appear in cases of large temperature difference between the observer's location and surrounding space (for example, viewing from a warm room through an open window).

NOTE *Failure to observe warnings, product use instructions and storage recommendations may void the warranty.*

PARTS IDENTIFICATION AND OPERATING CONTROLS

Image 2

Image 3

1. POWER button
2. MENU button
3. CALIBRATION button
4. Front Objective Lens
5. Objective Lens Focus Knob
6. Objective Lens Flip-up Cap
7. Detachable Eye Piece- to convert to hand held imager mode
8. Eye Piece Diopter Adjustment Ring
9. Rubber Eye Cup
10. Battery Compartment Lid
11. Battery Compartment Cover Thumb Screw
12. Detachable Clip-on Connector Piece- to convert to the clip-on attachment mode
13. Clip-on Connector Locking Ring
14. Locking rings to secure the snap-on throw-lever adaptor
15. USB C-type Plug-in Interface
16. Alignment Reference Point

MODES OF OEPRATION

The device can be used as a hand held imager (herein referred as **HANDHELD MODE**) and as a clip-on attachment when paired with the daytime optics (herein refrred **CLIP-ON MODE**). To use as a hand held imager, install the Detachable Eye Piece (7) by screwing it on.

To convert to the **CLIP-ON MODE**, mount the Detachable Clip-on Connector (12).

To mount the Clip-on Connector piece (12), align the Alignment Reference Point (16), which is a small round-shaped magnet, with the semi-circle shaped groove, the top groove in the threading (17). Once aligned, start rotating the Clip-on Connector Locking Ring (13) clockwise until secure and tight. To remove the Clip-on Connector piece, rotate the Clip-on Connector Locking Ring (13) counterclockwise.

NOTE *If the Clip-on Connector piece is not aligned correctly, as described above, the Clip-on Connector Locking Ring will not screw over. Refer to Images 4 and 5 and repeat the steps.*

Store the unused optical piece inside the carrying bag, preferably inside the clean plastic bag to preserve the cleanliness of the optics. Avoid touching lenses during the conversion process. if needed, refer to the cleaning instructions.

7   **17**

Select to use as a hand-held imager

Select to use as a Clip-on attachment

Image 4

Image 4

16   **12**   **13**

NOTE: To connect the Clip-on Connector piece (12), align the Alignment Reference Point (16), which a small round-shaped magnet with the semi-circle shaped groove, the top groove in the threading.

Image 5

BATTERY INSTALLATION

• Open the Battery Compartment Lid (10) by twisting the Battery Compartment Thumb Screw (11) counter clockwise
(there is a directional arrow located on the lid). The Battery Compartment Lid will pop up.
• Inspect the battery compartment for any debris, corrosion and/or moisture.
• Insert batteries observing the respective battery polarity diagrams located inside the battery compartment.
• Replace the Battery Compartment Lid (10 by aligning the lid in the original position and firmly pressing it down.

NOTE: *The battery compartment lid has two latches. When close the lid by pressing it down, there shall be two audible clicks.*
The properly closed lid shall have no gaps, no rubber O-ring shall be visible; it shall be fully sealed. Inspect the battery compartment lid when experiencing an unexplained powering off. If there is a gap, then the lid is not closed properly allowing batteries to push it up. Follow these instructions and properly close the battery compartment lid.

• The battery capacity indicator is located in the upper right corner of the screen. The icon ▭ with a tiny red line indicates the remaining battery capacity of less than 30 minutes. Be prepared to change batteries.

NOTE: Please make sure 3.0V setting is selected in the ADVANCED MENU SETTINGS when use 3V CR123 batteries. Setting 3.7V while using 3V CR123 batteries will result in the incorrect battery capacity reading showing exhausted battery contour.

ATTENTION: To use rechargeable batteries, select 3.7V battery type in the ADVANVED SETIINGS MENU. Please refer to ADVANCED MENU SETTINGS section for instructions.

Positive contact upward

Negative contact upward

Image 6

NOTE: *Low battery can cause the viewed image distortion. Pay attention to the low battery indicator and timely replace the batteries.*

CAUTION: The use of rechargeable 3.7V accumulators, contents a risk of the scope damage due to inconsistent quality and overvoltage capacity. When use rechargeable batteries, check voltage of the fully charged batteries to ensure they give proper voltage not exceeding 3.7V.

WARNING The manufacturer's warranty is void when the scope damage was caused by the improper rechargeable batteries.

WARNING DANGER OF EXPLOSION Lithium batteries contain sulfur dioxide gas under pressure and should be handled in the following manner:

• Do not attempt to heat, puncture, disassemble, short circuit, recharge, or otherwise tamper with the batteries.
• Turn OFF the device if the battery compartment becomes unusually hot. If possible, wait until the battery has cooled before removing them.
• The batteries have safety vents to prevent an explosion. When they are venting gas, you will smell it (very irritating) or hear the sound of gas escaping. After engagement of the safety vents, the batteries are fairly safe from bursting, but will be hot, therefore must be handled with care.
• Do not carry batteries in pockets containing metal objects such as coins, keys and etc. Metal objects can cause batteries to short circuit and become very hot.
• Do not mix rechargeable and non rechargeable CR123.
• It is not recommended to use mismatched batteries.
• When use rechargeable batteries, check voltage of the fully charged batteries to ensure they give proper voltage not exceeding 3.7V.

MOUNTING

The SUPER YOTER C™ clip-on can be mounted in front of the daytime time sight using a custom-sized snap-on mounting adaptor or it can also be mounted in-line using a quick-detach mount (BE80990) and paired with tactical sights, where the round-shaped snap-on adaptor is not a workable option.
The snap-on throw-lever adaptors enable mounting SUPER YOTER C™ Thermal Clip-on Attachment directly in front of the daytime riflescope. The custom-sized adaptor can be fitted straight onto the scope objective lens, making the conversion quick and easy without loss of zero.

The clip-on connector piece has the M52x0.75 threading type.

• Mount the throw-lever adaptor by threading it clockwise onto the device until it stops.
• Then rotate the Locking Ring (14) toward the throw-lever adaptor until secure and tight. The locking ring ensures that the clip-on does not rotate around its axis when mounted.
• Then pull the lever (18) to upright position to loosen the assembly and insert the front objective lens of the day scope into the throw-lever adaptor. Ensure that the clip-on screen is not tilted horizontally or vertically with the respect of the viewed reticle.
• Lower the lever (18) to the locked position as shown in Image 7.
• To secure the assembly, tighten the retainer bolt (19) of the throw-lever adaptor using a 4mm Allen wrench and then the locking screw (20) using a 2mm Allen wrench.
• Adjust the focus objective lens Focus Knob (5) for a clear and sharp image. Note that the image quality works in conjunction with the settings of the daytime riflescope.
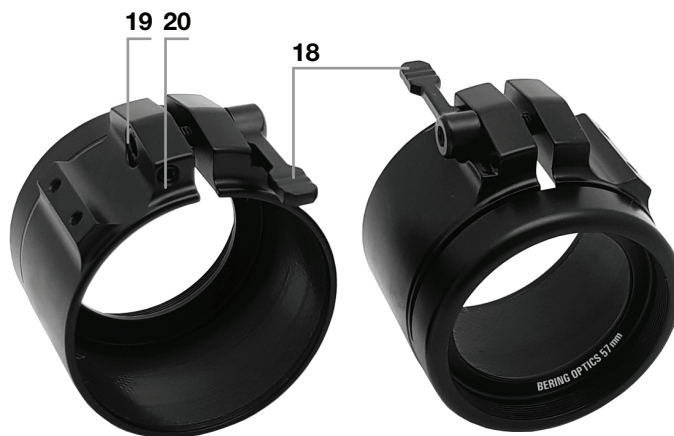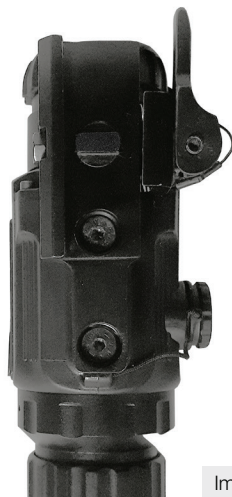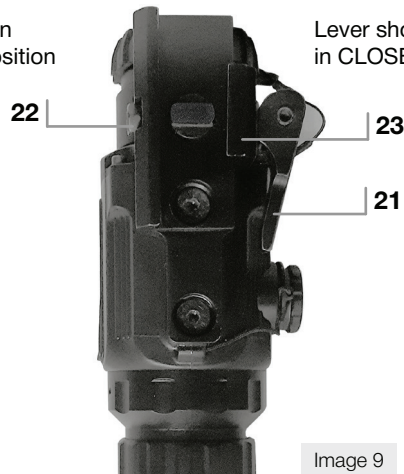

19 20 18

Image 7

To mount the SUPER YOTER C™ Thermal Clip-on in-line with the daytime scope, pair it with a single lever Quick-Detach Weaver mount (BE80990).

• Align the QD Mount with the mounting sockets, located on the bottom of the SUPER YOTER C™. Secure using two screws included with the mount. Do not apply excess force. The mount only serves as a base.
• Pull the lever (21) to the open position, see Image 8. The spring-loaded clamp (23) should be extended. Test fit the mount on the rail and attempt to close the lever in the position shown in Image 9. If too tight or loose, remove and adjust accordingly.
• **NOTE:** To adjust the width between the mount base and the clamp, open the lever, manually squeeze the mount clamp towards the closed position. The lever post with retaining nut (22) will extend out of the mount. Turn the screw to the left or right to adjust and repeat the test fit procedure until mount lever (21) can be completely closed but not loose.
• Once the QR mount has been set up to fit the rail properly, mount SUPER YOTER C™ in the most optimal position with the respect of the day scope. Perform visual inspection through the day scope.
• There is an optional Light Suppressor with Rubber Eye Guard (BE80910) available that can be threaded into the thermal clip-on and placed between the clip-on and the day scope objective lens, as shown on page 2.

Lever shown
in OPEN position

Lever shown
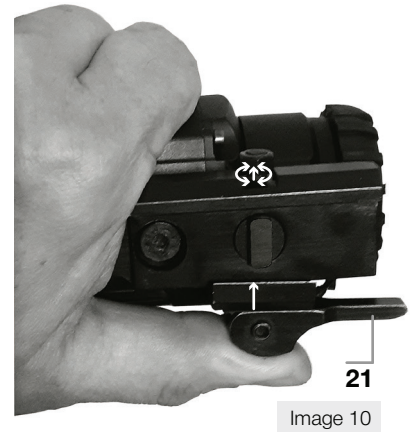in CLOSED position

22

23

21

21

Image 8

Image 9

Image 10

OPERATION

CAUTION When use the device as a hand-held unit, carrying it or placing it in the upright position, avoid direct sun light beams through the eye piece. It can melt internal parts and damage the device detector.

TO TURN ON/OFF

• Install the batteries per the BATTERY INSTALATION instructions. Open the objective lens protective cap (6).
• To turn ON, press and hold the POWER button (1) for about 5 seconds. The shutter will click a few times followed by the Bering Optics start up logo shown momentarily on the display before showing the thermal image.
• To turn off, press and hold the POWER button (1) until the countdown 1—5 runs through and device shuts off.

17   15

• Use the USB C-type cable (17) to connect the scope to the external power supply source. A connector icon will appear in the upper right corner of the screen, indicating that the scope is powered by an external power source. To turn off, simply unplug the USB cable from the scope USB C-type port (15). Image shows SUPER YOTER connected to the external power supply using the USB cable (17).

NOTE *When the sight is powered by the external power source via the USB cable, the power supply is automatically switched from the batteries, located inside the battery compartment, to an external power source.*

ATTENTION: 3.7V rechargeable batteries, located in the battery compartment, cannot be recharged by connecting the sight to the external power source via the USB connector.

Image 11

FOCUSING

• To adjust optical focus, rotate the Objective Lens Focus Knob (5) until the observed image is sharp and clear.
• When used in the hand-held imager mode, to adjust the eye piece focus, rotate the Diopter Adjustment Ring (8) of the Detachable Eye Piece (7) until the information displayed on the screen is sharp and clear.
• When used in the clip-on mode with the Clip-on Connector (12) screwed in and paired with the daytime optics, adjust settings of the daytime optics eyepiece to focus on the screen until the information displaced on the screen is sharp and clear
• To focus at the object at a different distance, it is sufficient to only adjust the Objective Lens Focus Knob (5).

STANDBY MODE

• To engage the standby mode, quick press POWER button (1). The screen will turn off.
• To exit the standby mode, quick press either POWER BUTTON (1), or MENU button (2).
The scope will turn back ON, bypassing the start up screen with the logo.

NOTE: *In the standby mode the device uses about 15%—20% less power, however it still continues consuming the power.*

MANUAL CALIBRATION

• To manually calibrate the shutter, quick press the "C" CALIBRATION (3) button. There shall be an audible click sound.
• To calibrate the image background press and hold the "C" CALIBRATION (3) button. The lens cap shall be closed to perform this operation.

BUTTONS LAYOUT AND FUNCTIONALITY

The SUPER YOTER C buttons operate in 2 ways: <u>Quick Press</u> (Press/Release) and <u>Long Press</u> (Press/Hold for a few seconds).

CAUTION: *Do not press device buttons with objects or using excessive force. This could damage the rubber coating as well as the button mechanisms. When Pressed properly, the buttons will give a tactile feedback, which feels like a click.*

1   **2**   **3**

Image 8

POWER button (1): button with a power **ON/OFF** pictogram

MENU button (2): button with a letter **M**

CALIBRATION button (3): button with a letter **C**

BUTTON	FUNCTIONS IN VIEWING MODE		FUNCTIONS IN MENU MODE	
POWER (1)	**Quick Press**	**Long Press**	**Quick Press**	**Long Press**
	To engage standby mode* To exit standby mode *Disabled when in menu mode	To power ON To power OFF	To adjust parameter settings To scroll upward	
MENU (2)	To open IMAGE ADJUSTMENT MENU — to adjust brightness, polarity, image sharpness and digital zoom	To open ADVANCED MENU SETTINGS	To cycle through the menu options when in IMAGE ADJUSTMENT MENU To make a selection when in ADVANCED MENU SETTINGS	To save the selection and exit MENU
CALIBRATION (3)	To calibrate the shutter	To calibrate the image background (lens cap shall be closed)	To adjust parameter settings To scroll downward	

IMAGE ADJUSTMENT MENU

• Quick press the MENU button (2) to enter the IMAGE ADUSTMENT MENU. This menu allows to adjust display brightness, image polarity, image sharpness and digital image multiplication. Please see the below chart for the pictograms identification used in the menu.
• Quick press the MENU button (2) to cycle through the menu options.
• Long press the MENU button (2) to save the selection and exit.
• To adjust the settings, use the POWER button (1) to scroll upward, or CALIBRATION button (3) to scroll downward.

IMAGE ADJUSTMENT MENU ICON CHART

Display Brightness Adjustment
There are 4 brightness levels, marked with numbers 1 through 4. The selected level is displayed on the screen.

Image Polarity Adjustment
There are 4 image polarity modes: Black Hot (B), White Hot (W), Red Hot (R), Color Palette (C).

Digital Image Multiplication Adjustment ranging from 1.0x, 2.0x and 4.0x

Image Sharpness settings
Select the most visually suitable for the given viewing conditions

ADVANCED MENU SETTINGS

• Long press the MENU button (2) to enter the ADVANCED MENU SETTINGS. Please see the below chart for the pictograms identification used in the menu.
• To scroll between the menu options, use the POWER button (1) to scroll upward, or CALIBRATION button (3) to scroll downward.
• Quick press the MENU button (1) to make a selection.
• Long press the MENU button (1) to save and exit the menu.

ADVANCED MENU OPTIONS CHART

👁	**Ultra-clear mode ON/OFF**	Select ON to enhance the image contrast. The option is suitable for a cloudy, rainy or foggy conditions
✳	**Bluetooth ON/OFF**	Future Upgrade option
	Video Output ON/OFF	Select ON to transfer analog using the Type-C data cable
	To set zeroing profiles for different rifles	There are up to 4 profiles that can be preset. Press Menu button (4) to scroll between G1, G2, G3, G4
▭	**Battery Type 3V / 3.7V**	Select 3V to use with normal CR123 batteries. Select 3.7V to use with rechargeable CR123 batteries
⊕	**Zero menu option**	Use this function to align the point of impact with the respect of the center of the daytime scope reticle.
⊤	**Digital Zoom Calibration**	Use this function to align the screen position at each digital zoom setting. NOTE: This is not the zeroing menu and this function shall only be used after zeroing procedure is finished.
⊞	**Blind Pixel Correction**	Select ON to calibrate the blind pixels. Please refer to the BLIND PIXEL CALIBRATION section for additional instructions
↻	**Factory Reset**	To restore factory settings, select ✔ or ✘ to cancel. Long press the MENU button (2) to save and exit
⊕ ⇔	**Adjustment orientation indicators**	The indicators are accompanied by the directional arrows when displayed on the screen. To move or adjust horizontally or vertically, switch the direction by quick pressing the MENU button (2). Use POWER (1) and CALIBRATION (3) buttons to navigate in the needed direction.

BLIND PIXEL CALIBRATION

• Open the Pixel Correction menu in the ADVANCED MENU.
• A cursor will appear on the screen along with the adjustment orientation indicator. To move the cursor, quick press the POWER (1) button to move to the left and up, and the CALIBRATION (3) button to the right and down, press and hold action will move the cursor rapidly. Quick press the MENU button (2) to switch between horizontal (right-left) and vertical (up-down) direction to move the cursor.
• After aligning the cursor with the blind pixel, press POWER (1) and CALIBRATUION (3) buttons at the same time to correct the blind pixels.
• Repeat the above steps to select and correct additional blind pixels. The number of the calibrated defective pixels is displayed at the bottom of the screen.
• To exit the BLIND PIXEL CALIBRATION, long press the MENU button (2).

NOTE: *The procedure shall be performed with the Objective Lens Cap (6) closed.*

COMPASS CALIBRATION

• Press and hold the POWER (1) and CALIBRATION (3) buttons at the same time to enter the compass calibration interface. An icon like a triaxial coordinate system will appear on the screen.
• Follow the icon prompt to rotate the device along three axes at least 360 degrees each axis in the 15 seconds. The device will automatically exit and complete compass calibration after 15s.

RANGEFINDER MODE (AVAILABLE IN HAND-HELD MODE ONLY)

• The device is equipped with the built in Stradiametric Rangefinder in the hand-held mode that allows estimating distances to the object of known size. The given reference targets are: a human figure (1.7m / 5.6 ft size target), a hog (0.9m / 2.9 ft size target) and a hare (0.2m / 0.65 ft size target).
• To engage the Rangefinder Mode, press and hold simultaneously the POWER (1) AND MENU (2) buttons for about 3 seconds.
• To adjust the distance between the markers, short press (moves incrementally) or long press (moves rapidly) the Power button (1) to widen and use "C" (CALIBRATION) button (3) to shorten the distance.
• To turn the Rangefinder Mode OFF, press and hold the "M" (MENU) button (2).

ZEROING

• Zero your day scope first at a distance of about 100meters (110 yards). Sighting in of the scope should be done at operating temperatures. Place the rifle on the firing station using sand bags or a special sighting rack to avoid the shooter related inaccuracy. Make sure that the scope is securely mounted on the rifle and is not loose.

NOTE: *For optimal zeroing experience, set the day scope margination at about 3.0x.*

• Mount the thermal clip-on. Follow the MOUNTING section instructions. Please make sure the clip-on is not tilted horizontally or vertically with the respect of the viewed reticle.
• Take 2 or 3 control shots aiming at the same hit point of the target. Examine the target to determine if the aiming point coincides with the group of point of impact. If it does not, perform the adjustments. NOTE: In order to properly zero the thermal device, the target should be heated or have a source of heat behind it.
• Engage the Zero menu option by going to the ADVANCED MENU. Select the Zero ⊕ menu option. This is the menu option designed to align the point of impact with the respect of the center of the reticle.
• Use POWER (1) and CALIBRATION (3) buttons to move screen right and left, and down and up. Quick press the MENU button (2) to switch between horizontal (right-left) and vertical (up-down) direction to move the screen. There will be values of adjustment displayed on the screen.

NOTE: *Please take record of the values displayed on the screen prior to making any adjustment to have a record of your initial starting point.*
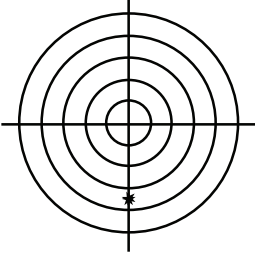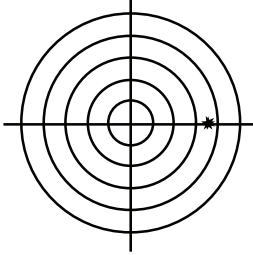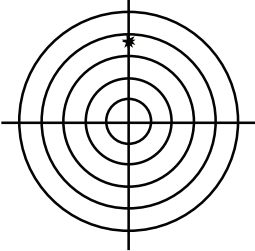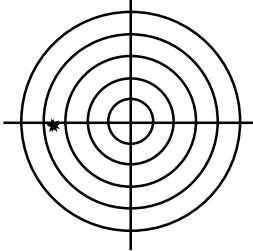
• To save and exit, long press the MENU button (2).
• Check the accuracy of your adjustments by firing another 2 or 3 control shots. Make the adjustments based on the shot grouping.
• In order to remap the digital zoom to where the clip-on was zeroed at its native magnification 1.0x, engage the Digital Zoom

Calibration ┬ menu option in the ADVANCED NENU. Press POWER (1) and CALIBRATION (3) buttons to move the reference white crosshair right and left, up and down. Quick press the MENU button (2) to switch between horizontal (right-left) and vertical (up-down) direction. Use the visual test to get the white crosshair as close as possible (overlay) to the day scope reticle.
• To check the point of impact, perform control shots at 1.0x, 2.0x and 4.0x.

IMPORTANT: Digital Zoom Calibration is not the zeroing menu and shall only be used after zeroing procedure is finished.

NOTE: *Visit Super Yoter C page at www.beringoptics.com website to watch video materials to get in depth instructions if needed.*

Shot groups	Direction of adjustment	Shot groups	Direction of adjustment
	Move the screen down along the "Y" axis		Move the screen right along the "X" axis
	Move the screen up along the "Y" axis		Move the screen left along the "X" axis

STORAGE AND MAINTENANCE

— Store and carry the device in the closed bag with the protective objective lens cap on.
— Avoid impacts, moisture and sharp changes of temperature. The optics should be protected against dust, snow, rain and direct sun rays.
— Store the device in dry conditioned premises without battery away from sources of heat, such as heating appliances or central heating.
— Do not store the device at temperatures lower than 10°C (50°F) or higher than 60°C (140°F).
— Remove batteries during extended periods of non-operation to avoid battery leakage.
— Clean optical surfaces with clean lens cloth.
— Wipe the device housing with lightly damped clean lint-free cloth.

PREVENTIVE MAINTENANCE CHECKS

OPTICS: Always clean the optics with a suitable optical cleaning cloth. Do not use detergents or excessive moisture to clean any part of the Device.
BATTERY / BATTERY COMPARTMENT: Remove the batteries when storing the device for a long period of time.
MOISTURE: The device is waterproof, however; no warranties or guarantees apply to a device that has been submerged in water.
SALT WATER: If the unit is exposed to salt water, wipe it off with a clean damp cloth and dry thoroughly.

CAUTION: The device is a precision electro-optical instrument and must be handled carefully. Do not scratch the external lens surfaces or touch them with your fingers.

#	Interval	Location (Item to Check/Service)	Procedure	Not Fully Mission Capable if:
1.	Before/After	Optical Surfaces	Inspect lens for dirt, fingerprint residue, chips, or cracks. If necessary, clean and dry lens with water and lens tissue.	Scratches or chips hinder the vision when the device turned on, or if cracks are present.
2.	Before/After	External Surfaces	Inspect for cracks or damage. Scratches and gouges are OK if operation is not affected.	Cracked or damaged.
3.	Before/After	Battery Cap, Compartment	Check to make sure battery cap is present and in working condition. Remove battery and inspect for corrosion, moisture or cracks. Ensure o-ring is present and is not dry or cracked. Battery Cap retainer is present and clear of damage.	Cap is missing, corroded or damaged. Cap retainer is missing or damaged.
4.	Before/After	Operating Buttons	Ensure the button functionality.	One or more buttons are non-operational. The button is missing or broken.
5.	Before/After	Viewed Image	Inspect display for operational defects.	Flashing or shading is observed.

TROUBLESHOOTING PROCEDURES

MULFUNCTION	TEST OR INSPECTION	CORRECTIVE ACTION
Device fails to activate	a) Not holding the POWER ON button for sufficient time to start up the device. b) Dead or weak batteries. c) Check for defective, missing or improperly installed batteries. d) Battery cap is loose, no contact.	a) Press and hold POWER ON button for at least 5 seconds. b) Replace batteries. c) Reinstall batteries. d) Check the battery compartment lid.
No visible image	a) Objective lens cap has not been removed. b) Weak batteries.	a) Remove cap. b) Replace batteries.
Device shuts down after being "ON"	a) Inspect the battery compartment lid b) Weak batteries.	a). Refer to the BATTERY INSTALLATON instructions and close the lid properly. There shall be no gaps, no O-ring visible; it shall be fully sealed. If the battery compartment lid malfunctions: latches jammed, not moving (no clicks when close), rubber O-ring is missing, contact Bering Optics for service b). Replace batteries.
Device froze off- does not react to any control buttons or power "ON/OFF" switch		a) Remove batteries from the battery compartment. Reinstall batteries to resume operation. b) Contact Bering Optics for service.
Image dimmer than usual	a) Weak batteries.	a) Replace the batteries.
Blurry image	a) Check focus. b) No image correction for a long time.	a) Adjust focus adjustment knob. b) Manually calibrate the shutter. c) Manually calibrate the image background.
Poor image quality	a) Check focus. b) Check for fogging or dirt on lenses. c) No image correction for a long time.	a) Refocus. b) If image quality is still poor, contact Bering Optics for service.

Dark Screen	a) Check screen BRIGHTNESS settings.	a) Adjust the screen Brightness if needed.
Battery compartment is difficult to open.	a) Visually inspect for the presence of an o-ring. b) Check for a damaged battery cap.	a) If O-ring is missing, contact manufacturer for assistance. b) If damaged, return to manufacturer.
Device does not shut OFF		a) Remove batteries from the battery compartment. Reinstall batteries to resume operation. b) Return device to manufacturer if the situation persist.
No analog video output	a) No video out. b) Damaged cable.	a) Make sure the analog video out option is turned "ON" in the ADVANCED MENU SETTINGS. b) Replace data cable.

BERING OPTICS WARRANTY POLICY

Your Bering Optics product is warranted free of defects in workmanship and materials. In the event of a defect under this warranty, we will, repair the product. For night vision products, the image intensifier tube that enables night vision capability is warranted to be free from defects for a period of 2 years for Gen 1 and Photonis, 3 years for Gen 3 and Gen 3+, as are other light emitting devices such as IR Illuminators, red dots, and telescopic sight. Thermal imaging systems are warranted for 3 years with exception of the Hogster & Super Yoter line products that are warranted for 4 years. Light bulbs and batteries are not applicable to this warranty. This warranty does not cover damages caused by misuse or improper handling. Also, this warranty is null and void if modification or maintenance is provided by a third party not authorized by Bering Optics.

Any product returned under this warranty or for repair must be accompanied by the following items:
– Return Authorization Number (RA#) — to obtain RA#, email to optics@beringoptics.com. Write RA# on the top of the shipping box.
– A brief letter explaining the problem
– Defective product
– Copy of the original receipt showing when and where the product was purchased
– Contact person's name, address and a daytime phone number.
The product shall be sent in the sturdy package to prevent damage in transit with postage prepaid per the shipping instructions received with the Return Authorization Number (RA#)

STATEMENT OF LIABILITY

Bering Optics will not be liable for any claims, actions, suits, proceeding, costs, expenses, damages or liabilities arising from the use of this product. Operation and use of the product are the sole responsibility of the user. The provision of products sold and services performed by manufacturer to the user shall not be interpreted, construed, or regarded, either expressively or implied, as being for the benefit of creating any obligation toward any third party of legal entity outside manufacturer and the user. The remedies of the purchaser set forth herein are exclusive and the total liability of manufacturer shall not exceed the purchase price of the unit. The user is solely responsible to comply with local and national laws regarding use of this product. In no event shall manufacturer be liable for consequential, incidental, special or other damages.

Bering Optics reserves the right to make alterations or modifications in its products at any time, which in its opinion may improve the performance and efficiency of the product. It shall not be obligated to make such alterations or modifications to products already in service.

EXPORT DISCLAIMER

Export of some the Bering Optics products is strictly prohibited without a valid export license issued by the U.S. Department of State, in accordance with International Traffic in Arms Regulations (ITAR) (22 C.F.R. 120-130) or a valid export license issued by the U.S. Department of Commerce, in accordance with the Export Administration Regulations (EAR) (15 C.F.R. 730-774). U.S. law prohibits the sale, transfer, or export of items to certain restricted parties, destinations, and embargoed countries, as identified on lists maintained by the U.S. Department of State, the U.S. Department of Commerce, and the U.S. Department of Treasury.

It is unlawful and strictly prohibited to export, or attempt to export or otherwise transfer or sell any hardware or technical data or furnish any service to any foreign person, whether abroad or in the United States, for which a license or written approval of the U.S. Government is required, without first obtaining the required license or written approval from the Department of the U.S. Government, having jurisdiction. Diversion contrary to U.S. law is prohibited. It is the responsibility of the Customer to be aware of these lists, which can be found at the U.S. Government websites. By proceeding with any transaction, the Customer certifies that the Customer will not engage in any unauthorized transaction involving the export of the Bering Optics products to any restricted parties or destinations.

BERING OPTICS
101 Decker Drive, Suite #120, Irving, TX 75062
Ph. 817-453-9966
www.beringoptics.com