

Trijicon® SkeetIR x™

MICRO-THERMAL IMAGING MONOCULAR



**OPERATOR AND
MAINTENANCE MANUAL**



SAFETY SUMMARY

1. GENERAL SAFETY INSTRUCTIONS

This manual contains operating instructions and maintenance procedures which could result in injury or other long-term health hazards to personnel, or damage to equipment if not properly followed. Prior to performing any task, the WARNINGS, CAUTIONS and NOTES included in that task shall be reviewed and understood.

2. WARNINGS, CAUTIONS AND NOTES

Safety headings used in this manual and their respective definitions are as follows:

WARNING

Highlights an essential operating or maintenance procedure, practice, condition or statement, which, if not strictly observed, could result in injury or other long-term health hazards to personnel or long term health hazards.

CAUTION

Highlights an essential operating or maintenance procedure, practice, condition or statement, which, if not strictly observed, could result in damage to, or destruction of, equipment or loss of mission effectiveness.

NOTE

Highlights an essential operating or maintenance procedure, condition or statement.

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3. SAFETY PRECAUTIONS

The following general safety precautions supplement the specific WARNINGS, CAUTIONS and NOTES that appear elsewhere in this manual.

3.1 Laser Radiation

The Trijicon® SkeetIR™ x employs visible or invisible laser radiation in the form of: a Visible Laser Pointer designated Safety Class 3R; invisible Class 1. The Trijicon® SkeetIR™ x may be used in conjunction with force-on-force training. However, the following general safety precautions apply at all times:

- Do not stare into the laser beam.
- Do not look into the laser beam through monoculars or telescopes.
- Do not point the laser beam at mirror-like surfaces.
- Do not shine the laser beam into another individual's eyes.

VISIBLE LASER



INVISIBLE LASER

Class 1 Laser product. Avoid exposure.

LASER RADIATION IS
EMITTED FROM
THIS APERTURE



LASER HAZARD INFORMATION

LSRB FINDINGS OF THE SkeetIR™x INFRARED VARIANT LASER SYSTEM

Class	1
Wavelength	820-850nm
NOHD* (unaided)	0m
NOHD (5-cm aided)	0m
NOHD (12-cm aided)	0m
Diffuse NOHD	0m
OD (unaided)	None required
OD (aided)	None required
NSHD	0m

- (1) Within 93m of the laser exit port for unaided viewing and 1,500m if optical aids are to be used.
- (2) Provide laser eye protection having a minimum optical density (OD) of 0.7 at 615 -655 nm to personnel who will be exposed to the laser beam within the hazard distances when engineering and administrative controls do not adequately control the laser.

SkeetIR™x VISIBLE LASER VARIANT

Class	3R
Wavelength	625-645nm
NOHD (unaided)	93m
NOHD (5-cm aided)	630m
NOHD (12-cm aided)	1.5km
Diffuse NOHD	0m
OD (unaided)	0.7
OD (aided)	0.7
NSHD*	None

*Nominal Ocular Hazard Distance (NOHD);

*Nominal Skin Hazard Distance (NSHD)

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Laser Eye Protection

Visible Laser Eye Protection

Visible LEP 2-line Special Protective Eyewear Cylindrical System (SPECS), Ballistic and Laser Protective Spectacles (BLPS), and Sun, Wind, and Dust Goggles (SWDG) with ballistic/laser lenses.

3.2 RISK OF DETECTION BY ENEMY

WARNING

To reduce the risk of detection by an enemy, avoid prolonged activation of the Trijicon® SkeetIR™ x Laser Pointer.

WARNING

The Trijicon® SkeetIR™ x Laser Pointer is more detectable to an enemy using night vision devices when used in smoke, fog, and rain. Avoid prolonged activation of the laser in these conditions.

3.3 BATTERIES

The Trijicon® SkeetIR™ x is powered by one (1) Lithium 123 batteries.
The following safety precautions apply when handling Lithium batteries:

- Do not short circuit, puncture or disassemble.
- Do not attempt to recharge.
- Prior to use, inspect all batteries for cracks, leakage, or bulging.
- Never install a defective battery in the Trijicon® SkeetIR™ x.

CAUTION

Lithium batteries should be stored in ambient conditions, preferably in a cool, dry place. Lithium batteries have excellent capacity retention characteristics and need not be refrigerated. In order to maximize shelf life, storing the Trijicon® SkeetIR™ x at higher than temperatures specified in should be avoided, if possible.

CAUTION

Do not store the Trijicon® SkeetIR™ x with batteries installed.

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1.0 INTRODUCTION

SECTION I - GENERAL INFORMATION



1.1 SCOPE

This manual applies to the Trijicon® SkeetIR™ x. Complete familiarization with this manual prior to using the equipment will ensure safe operation and maximum effectiveness of the Trijicon® SkeetIR™ x.

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1.2 MANUFACTURER

Trijicon, Inc.
49385 Shafer Avenue
P.O. Box 930059
Wixom, MI 48393

Telephone: 248-960-7700

Fax: 248-960-7725

1.3 PURPOSE OF EQUIPMENT

The Trijicon® SkeetIR™x is a ruggedized imaging system intended to give the user increased situational awareness in battlefield environments. It is a hand-held thermal imaging camera with a single display designed to reduce eye strain on the user. It also includes a digital magnetic compass to assist the user's directional awareness. It is intended for use at distance ranging from 1 meter to 0.5km. The system also contains an integrated laser pointer with a visible or IR option.

1.4 ABBREVIATIONS AND ACRONYMS

Abbreviations and acronyms used in this manual are spelled out the first time they appear in each chapter, section or appendix. For reference purposes, they are also listed as follows:

C	Centigrade
DMC	Digital Magnetic Compass
F	Fahrenheit
FRC	Field Return Coordinator
IPD	Inter-Pupillary Distance
IR	Infrared
km	Kilometer
m	Meter
MB	Megabyte
MRAD	Milliradian
mW	Milliwatt
NVG	Night Vision Goggle
nm	Nanometer
RMA	Return Material Authorization
UTCI	Universal Thermal Camera Interface

SECTION II - EQUIPMENT DESCRIPTION

1.5 SYSTEM DESCRIPTION

The Trijicon® SkeetIR™ x is a hand-held or helmet mounted thermal imaging camera. It allows for observation, target identification, target acquisition, and engagement under a broad range of conditions including adverse conditions such as light rain, smoke, light snow, and low light to total darkness. It does not allow the user to see through glass, water, or heavy rain or snow.

The Trijicon® SkeetIR™ x has one optional integrated Visible Laser Pointer at a wavelength of 635 nanometers. The Laser Pointer is visible to the human eye and also visible through the use of Low Light Level or Image Intensifying devices such as Night Vision Goggles (NVG). The Trijicon® SkeetIR™ x has one optional integrated IR Laser Pointer at a wavelength of 850 nm. This laser is invisible to the human eye.

The Trijicon® SkeetIR™ x also includes a Digital Magnetic Compass (DMC) to supply the user with directional knowledge. When turned on, the Trijicon® SkeetIR™ x displays its direction as the offset from magnetic north in the upper left hand corner of the display. Optionally, pitch and roll can also be displayed.

The Trijicon® SkeetIR™ x has an aiming reticle and a mil scale reticle to aid the user in range estimation and designation. It also includes image processing features including white hot, black hot and edge detect modes.

1.6 TECHNICAL SPECIFICATIONS

Table 1 Technical Specifications

WEIGHT AND DIMENSION	
Weight (without batteries)	9 oz. (260g)
Length	4.0 in w/o lens cover or eyecups
Width	2.4 in. (101.6mm)
Height	1.7 in. (43.2mm)
POWER	
Power Source	(1) 123 Lithium Batteries or USB Outlet
Battery Operating Life @ 25C	2.0 hours (123)
ENVIRONMENT	
Operating Temperatures	-40°F (-40°C) to 140°F (60°C)
Storage Temperatures	-40°F (-40°C) to 160°F (71°C)
Immersion	66 feet for 2 hours
IMAGING CHARACTERISTICS	
Field of View	28° diagonal (20° horizontal x 15° vertical)
Focal Plane	Un-cooled Microbolometer
– Sensor	8-12 μm
– Wavelength	17 μm
– Pixel Pitch	640 x 480 Array
– Pixel Format	30/60 hz
– Refresh Rate	< 50 mK @F/1
– NEΔT	

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VISIBLE LASER POINTER

Operating Temperatures	-40°F (-40°C) to 140°F (60°C)
Storage Temperatures	-40°F (-40°C) to 160°F (71°C)
Immersion	66 feet for 2 hours

IR LASER POINTER

Operating Temperatures	-40°F (-40°C) to 140°F (60°C)
Storage Temperatures	-40°F (-40°C) to 160°F (71°C)
Immersion	66 feet for 2 hours

DIGITAL MAGNETIC COMPASS

Update Rate	1 Hz
Heading Accuracy	2 deg rms (near Level) 3 deg rms (<15 deg tilt) 4 deg rms (<60 deg tilt)
Pitch and Roll Accuracy	1 deg (near Level) 2 deg (>15 deg tilt)

SNAPSHOT

Image Storage Capacity	100 snapshots
Image Format	8-bit uncompressed Bitmap

2.0 OPERATING INSTRUCTIONS

SECTION I - PREPARATION FOR USE

2.1 UNPACKING THE EQUIPMENT

Before unpacking the equipment, verify all the Trijicon® SkeetIR™x components are present.

2.2 INSPECTION OF THE EQUIPMENT

Before use, inspect all pieces of equipment for any damage such as cracks, loose parts, faulty cables, or other visible defects.

2.3 PHYSICAL LAYOUT

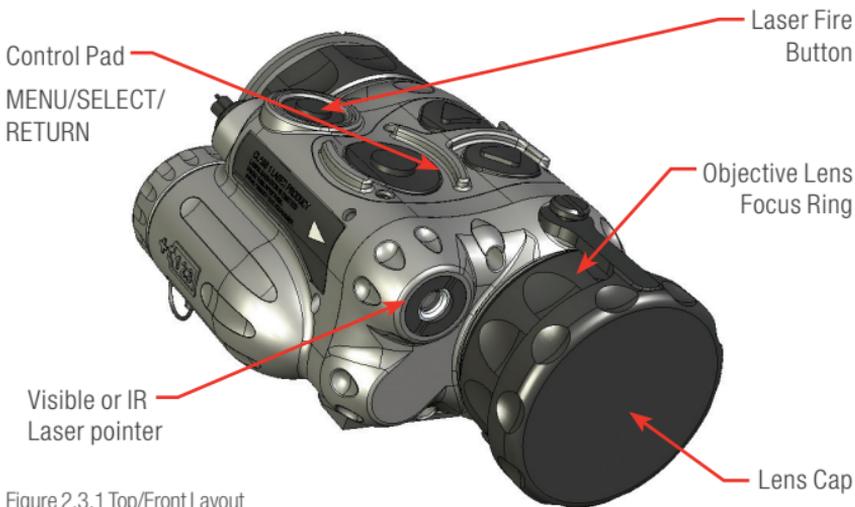


Figure 2.3.1 Top/Front Layout

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Figure 2.3.2 Bottom/Rear Layout

EXTERNAL CONNECTOR

The Trijicon® SkeetIR™x has an external connector for supplying external power in, video out, and the UTCI USB interface.

2.3.1 VIDEO OUT CABLE

An optional video cable is available for plugging it into an external monitor. The video format is standard interlaced RS170. The connector on the video cable is a BNC type.

- The video cable is safe to plug into a monitor any time
- For the best video output performance, verify the monitoring device has a 75 Ohm termination.

2.3.2 UTCI USB CABLE

An optional USB cable is available for the Trijicon® SkeetIR™ x.

- For proper operation with a PC, plug the Trijicon® SkeetIR™ x into the PC's USB port before powering it up.

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2.4 BATTERY OPERATION

2.4.1 ACCEPTABLE BATTERIES

The Trijicon® SkeetIR™ x can operate on 123 type commercially available batteries. For the best performance, USE ONLY LITHIUM TYPE BATTERIES in the Trijicon® SkeetIR™ x.

2.4.2 BATTERY INSPECTION

Before installation, inspect the batteries for any cracks, leakage, or bulging. Never install a defective battery in the Trijicon® SkeetIR™ x.

CAUTION

Ensure the Trijicon® SkeetIR™ x is OFF before attempting to remove the batteries.

2.4.3 BATTERY INSTALLATION

To open the battery compartment simply twist off the battery cap. Install one (1) 123 batteries with the positive end facing out of the unit. Screw the battery back on. You may notice the display flash when the battery contact is made. This is normal.

2.4.4 BATTERY LIFE INDICATOR

A Battery Life Indicator appears in the upper left corner of the display whenever the MENU is displayed. The percentage of battery life left is indicated by amount the battery icon is filled.



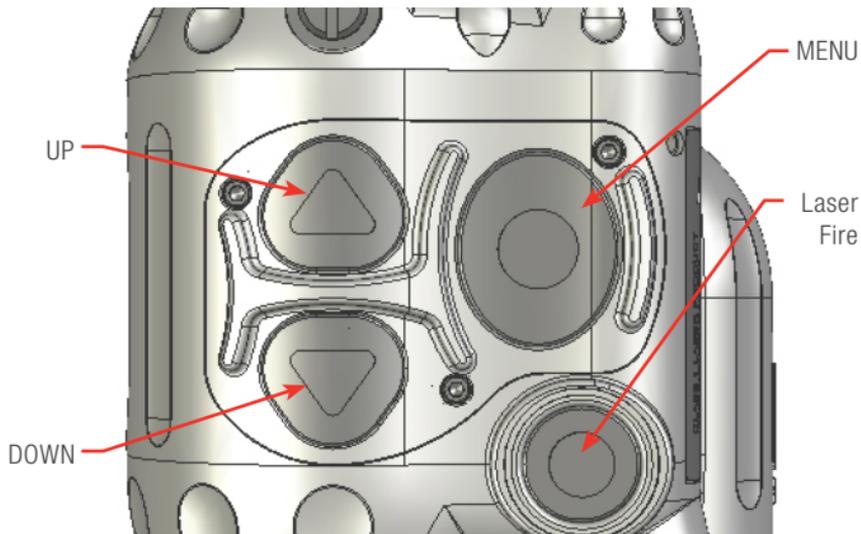
NOTE

The Trijicon® SkeetIR™ x typically will not restart if shut off once the zero battery symbol has displayed.

SECTION II- OPERATING INSTRUCTIONS

2.5 CONTROL PAD

Figure 2.6.1 Displays the buttons and switches that control the Trijicon® SkeetIR™x.



2.6 POWER ON/OFF

To turn the Trijicon® SkeetIR™x on, press and hold the UP and DOWN buttons for 3 seconds or until you see the startup screen.

The Laser Status LED is a small pinhole size LED lamp next to the I/O connector

To turn the Trijicon® SkeetIR™x off, press MENU, then UP to scroll to POWER OFF, and then press MENU.

Power Off Shortcut: Hold UP + DOWN for 5 seconds

2.7 DISPLAYS AND EYEPIECES

2.7.1 EYEPIECE FOCUS

To get a complete system focus, it is best to first focus the Eyepiece lens on the display by viewing the menus or reticles.

To focus the Eyepiece Lens, rotate the Eyepiece Focus Ring until the white text or reticle is in focus or has the sharpest image.

2.7.2 EYECUP

The standard eyecup provides stray light relief to the user. To install an eyecup, gently snap it into place on the eyepiece. To remove an eyecup, pull it off the eyepiece. Properly installed, the standard eyecup rotates independent of the Eyepiece Focus Ring, but not loosely.

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2.8 OBJECTIVE LENS

2.8.1 OBJECTIVE FOCUS

To focus the Objective Lens of the Trijicon® SkeetIR™ x, rotate the objective lens focus ring. Figure 2.8.1 illustrates the direction to rotate the focus ring.

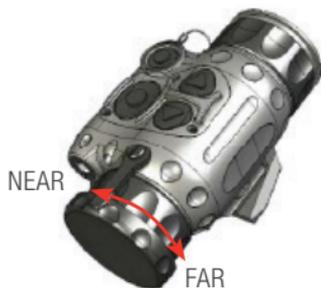


Figure 2.8.1 Objective Focus Adjustment

OBJECTIVE LENS CHARACTERISTICS

Standard Lens

FOV	28° Diagonal (22.5° horizontal x 16.5° vertical)
F/#	1.0

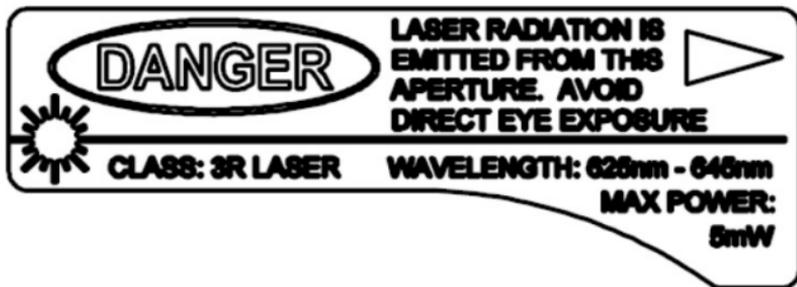
2.9 GAIN CONTROL

Upon power up, the Trijicon® SkeetIR™ x will retain the gain setting from the last time it was used. If it is being powered up the first time, the gain is set to 5.

- The manual gain settings have a range from 1 to 10.

2.10 LASER POINTER OPERATION

The Trijicon® SkeetIR™ x is equipped with an optional red visible laser pointer with a wavelength of 635nm or with an IR laser pointer with a wavelength of 840-860nm.



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To activate the Laser Pointers, activate the MENU. Scroll to LASER and press MENU to ENABLE. LSR text appears in the upper right corner of the display to alert the user that the laser is armed. An additional laser reticle appears on the display to show the operator where the pointer is aiming. In addition to the display, the Laser Status LED turns from green to red when the laser is firing.

To fire the Laser Pointer, press the Laser Fire Button. The pointer only fires when the Laser Fire Button is depressed. To put the pointer in Continuous Mode, double tap the Laser Fire Button. To turn Continuous Mode off, press the Laser Fire Button. Whenever the laser is latched into Continuous Mode, a 5 minute laser safety timer is started and the system extinguishes the laser when the timer expires.

To alert the operator when the Laser Pointer is firing, the laser reticle is displayed and "LASER ON" appears on the bottom of the display.

2.11 CALIBRATION

Calibration is required on the Trijicon® SkeetIR™ x while the camera's internal temperature is stabilizing. To perform a calibration, cover the Objective Lens and press and hold the MENU button. A progress bar appears near the top of the screen reflecting the status of the calibration. When the progress bar is full, the calibration is complete. Uncover the Objective Lens to display imagery.

Long Calibration (LC) is required when the difference between the ambient operating temperature and the internal setpoint of the camera's thermal electric cooler become greater than about 10 degrees Celsius. When this occurs, an LC appears in the top-middle of the display indicating the user should perform a calibration, as outlined below, at the next opportunity. This calibration should take about 5-10 seconds to perform, depending on the current battery level.

NOTE

Not performing a calibration when the LC is displayed will reduce battery life significantly.

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If calibration is performed on a non-uniform temperature scene, that scene is saved into memory and applied to the imagery. To correct a bad calibration, just redo the calibration on a uniform scene such as the Objective Lens Cover.

2.12 DISPLAY BRIGHTNESS

The display brightness can be adjusted by pressing the back button of the Trijicon® SkeetIR™ x, to enter BRIGHTNESS Adjust Mode.

- Press UP or DOWN to change the brightness
- Hold UP or DOWN to scroll thru the brightness
- The maximum value is 100 and the minimum value is 1.
- The last brightness setting is recalled on power up.
- The minimum brightness on power up is 10.

2.13 DIGITAL MAGNETIC COMPASS

The Trijicon® SkeetIR™ x Digital Magnetic Compass (DMC) displays the Trijicon® SkeetIR™ x heading offset from magnetic north in degrees. To enter the compass menu, press MENU, then press DOWN until the selection arrow is on 'COMPASS', then press MENU.

2.13.1 COMPASS POWER AND DISPLAY

To enable the DMC, select 'COMPASS' from the main menu to bring up the compass menu shown below. Press MENU to select COMPASS and then press UP to display heading. Press UP again to display pitch and roll. Press DOWN to shut off the compass.

- H = Heading (degrees)
- P = Pitch (degrees)
- R = Roll (degrees)

2.13.2 COMPASS CALIBRATION

The Digital Magnetic Compass (DMC) may require periodic calibrations due to variations in the surrounding magnetic fields. Changes in magnetic fields can be caused by any nearby metallic structures such as buildings or automobiles. It requires calibration about 2 axes, the azimuth axis and the pitch axis. To calibrate the DMC, conduct the following steps:

1. Select 'COMPASS' from the main menu
2. Hold the Trijicon® SkeetIR™ x as level as possible
3. Press UP and DOWN to begin calibration
4. As instructed, rotate your heading clockwise so as to make a complete circle in approximately 25 seconds keeping the Trijicon® SkeetIR™ x as level as possible. Text indicators on the bottom of the display will aid in your timing.



5. After completing a full circle about your heading, begin to rotate the Trijicon® SkeetIR™ x in pitch while holding your heading as steady as possible. This circle should also take approximately 25 seconds.



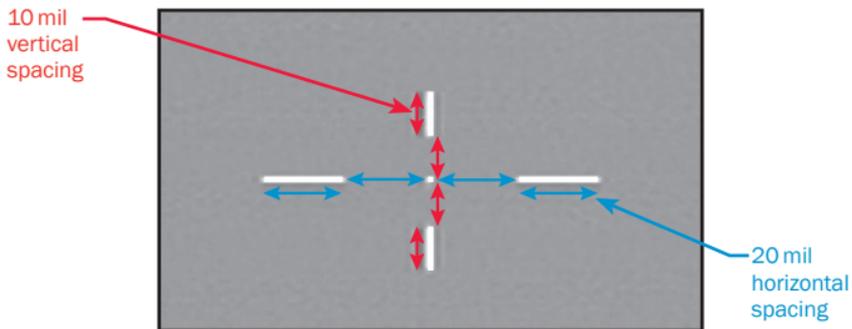
6. After completing a full pitch circle, press MENU to save the new DMC offsets and exit the calibration routine.

2.14 RETICLES

The Trijicon® SkeetIR™ x has two reticles, a Crosshair Reticle and a Mil Scale Reticle for ranging. To enter the Reticle menu, press MENU, then DOWN to scroll to the RETICLE selection, then MENU to select the reticle menu.

2.14.1 CROSSHAIR RETICLE

To enable the Crosshair Reticle, press UP or DOWN until the crosshair is displayed.
To cycle the color of the reticle, white or black, press MENU or select again. The Crosshair center dot is boresighted to both Laser Pointers. Mil dimensions are shown below.



2.14.2 MIL SCALE RETICLE

To enable the Mil Scale Reticle, press UP or DOWN until the scale reticle is displayed. Figure 2.14.1 illustrates the mil scale units.

- To cycle the color of the reticle, white or black, press MENU.
- Each mil scale unit is equal to 10 mils.
- While in 2XE-Zoom, the scale units are halved.

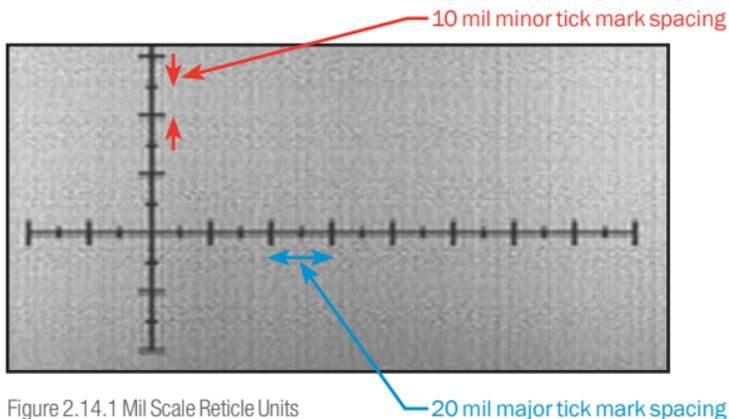


Figure 2.14.1 Mil Scale Reticle Units

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2.15 EZOOM

The Trijicon® SkeetIR™ x is equipped with a 2X and ½ X electronic zoom. To cycle between the default 1X, ½ X, and 2X press MENU to display the menu. Then DOWN to scroll to 'EZOOM', then MENU to select between 1X, ½ X and 2X.

Operational Note: The ½ X and 2X modes zoom in on the crosshair reticle so it is important to adjust the crosshair reticle to exact location of interest on the display prior to switching to EZOOM. If using the Trijicon® SkeetIR™ x as a boresighted weapon sight in front of a day scope, failing to perform a proper boresight procedure will result in shots not hitting the target.

2.16 SNAPSHOT

The Trijicon® SkeetIR™ x has three display modes available, White Hot (default on startup), Black Hot, and Edge Detect. To toggle through the modes, press DOWN Button. The current operating mode is displayed at the bottom of the screen.

2.16.1 IMAGE CAPTURE MODE

When the snapshot menu is displayed, simply press MENU to save the current image. The image number and total number of images are displayed at the bottom of the screen

2.16.2 IMAGE REVIEW MODE

Review images by pressing UP from the SNAPSHOT menu. The current image indicator is displayed at the bottom of the screen.

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To scroll through the saved images, press UP or DOWN. To delete an image press and hold MENU, then press UP to confirm deletion or DOWN to cancel and return to SNAPSHOT review.



Reviewing Image #
of # of Total Images

2.17 UTCI USB INTERFACE

The Trijicon® SkeetIR™ x has a digital PC interface for acquiring, downloading and saving and deleting real time and captured images. A USB Downloader Card is available, which contains the Trijicon® SkeetIR™ x Operator Interface (OI) installation software, necessary drivers for connecting the Trijicon® SkeetIR™ x, and software installation guide.

2.18 TRACEIR

The Trijicon® SkeetIR™ x is capable of displaying a corrected reticle in the field of view when connected to a Wilcox® RAPTAR-S laser range finder. To enable, connect the RAPTAR-S to the Trijicon® SkeetIR™ x via the LEMO connector port and select ACTIVE under the TRACEIR menu.

MAINTENANCE

SECTION I - OPERATOR MAINTENANCE

3.0 INSPECTION

The operator should inspect the Trijicon® SkeetIR™ x before each use and after it has been in extreme conditions, such as prolonged exposure to intense temperatures.

3.1.1 BATTERIES

The batteries should be inspected for bulging. If a battery shows signs of bulging, remove and dispose of properly. Replace batteries per paragraph 2.4.

The Trijicon® SkeetIR™ x is not to be stored with batteries installed.

3.1.2 BATTERY COMPARTMENT

The Battery Compartment should be inspected for dirt, dust and corrosion. Clean as required per paragraph 3.2.1.

3.1.3 OBJECTIVE LENS AND EYEPIECE

The optical lenses should be inspected for foreign material. As required, clean the Objective Lens and Eyepiece as described in paragraph 3.2.2.

3.1.4 TRIJICON® SKEETIR™ X HOUSING

The Trijicon® SkeetIR™ x housing should be inspected for any signs of damage including cracks, missing parts, loose connectors, and any other visible defects. Clean as required per paragraph 3.2.3.

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3.2 OPERATOR MAINTENANCE

Routine, periodic maintenance of the Trijicon® SkeetIR™x shall be performed by the operator as required by Section I of this Chapter. If additional maintenance is required to resolve a malfunction or to bring the Trijicon® SkeetIR™x into “Mission Capable” status, turn the unit and all ancillary equipment into the Unit Maintenance.

3.2.1 BATTERY COMPARTMENT

Dirt or debris that cannot be shaken loose from the Battery Compartment may be removed using a clean cloth or cotton swabs.

3.2.2 OBJECTIVE LENS AND EYEPIECES

Remove any large particles or loose dirt using air or a soft cloth. Fine cleaning should be performed using a Lens Cloth. Clean water, alcohol, or general purpose window cleaner may be used to remove stubborn stains. Avoid using excessive force as this may result in scratching the lenses.

3.2.3 TRIJICON® SKEETIR™X HOUSING

Rinse the Trijicon® SkeetIR™x housing with water and wipe clean with a soft cloth. Clean around switches, adjusters, and attachment points with a cotton swab.

3.3 OPERATOR TROUBLESHOOTING PROCEDURES

The procedures below help the operator correct some of the basic problems that may arise with the Trijicon® SkeetIR™x. If the equipment malfunction is not listed, or the actions listed do not correct the fault, refer to Section II for additional guidance.

- a. No display is present when turning on the Trijicon® SkeetIR™ x
 - (1) Verify that the batteries are properly installed.
 - (2) Replace existing batteries with fresh batteries.
 - (3) Be sure the Objective Lens Cover is removed

- b. Display is ON but no thermal images are displayed.
 - (1) Be sure the Objective Lens Cover is removed.
 - (2) Toggle the polarity button to White Hot.
 - (3) Focus on an object in the distance.
 - (4) Perform a calibration of the Trijicon® SkeetIR™ x per paragraph 2.13.
 - (5) Adjust the gain setting per paragraph 2.11.
 - (6) Verify that the scene being viewed has thermal contrast.
 - (7) Press and hold the UP button to exit RS-170 mode.

SECTION II - UNIT MAINTENANCE

3.4 UNIT MAINTENANCE PROCEDURES

In addition to Operator Maintenance Procedures, unit personnel may perform the following maintenance / repair actions to the Trijicon® SkeetIR™ x. If additional service / repairs are needed to resolve a malfunction, follow procedures described in paragraph 3.5.

3.4.1 EXTERNAL CONNECTOR

The External Connector should be inspected for corrosion, dirt and damage. Gently remove any large particles of foreign matter and clean the contacts with alcohol and a cotton swab.

3.4.2 VIDEO OUTPUT CABLE

The Video Output Cable should be inspected for frayed wires, loose connectors, and any other possible damage to the cable. As required, clean the connectors with alcohol and a cotton swab.

3.4.3 EXTERNAL POWER SUPPLY AND ADAPTER CABLES

The External Power Supply and Adapter Cables should be inspected for frayed wires, loose connectors, and any other possible damage to the cable. As required, clean the connectors with alcohol and a cotton swab.

3.4.4 REPLACE OBJECTIVE LENS COVER

To replace the Objective Lens Cover, stretch and pull the mounting band around the two Objective Lens Cover mounting screws as shown below. To install a new cover, stretch the mounting band back over the Objective Lens Cover mounting screws.

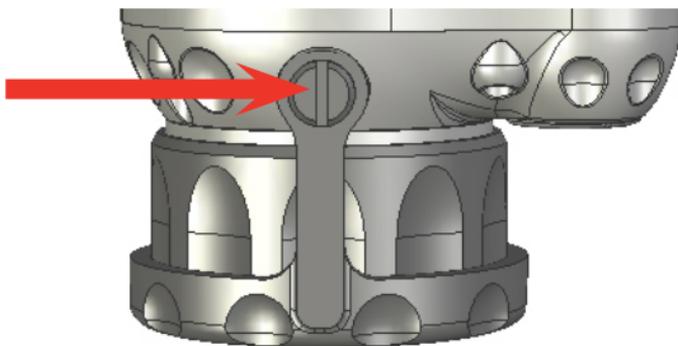


Figure 3.4.1 Objective Lens Cover Installation

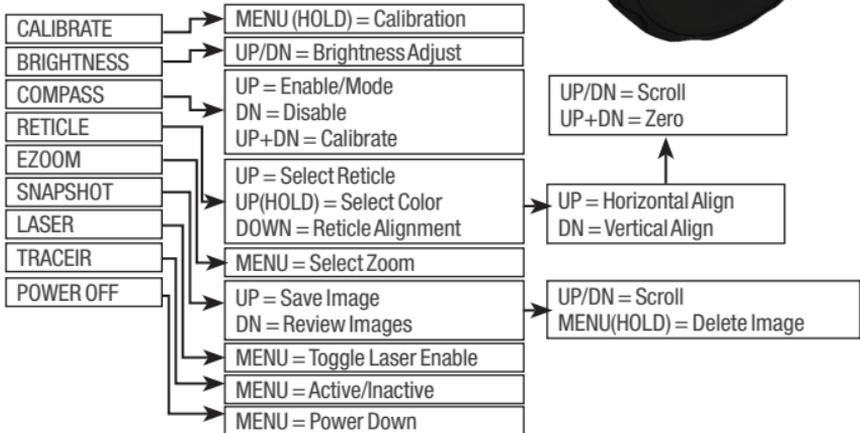
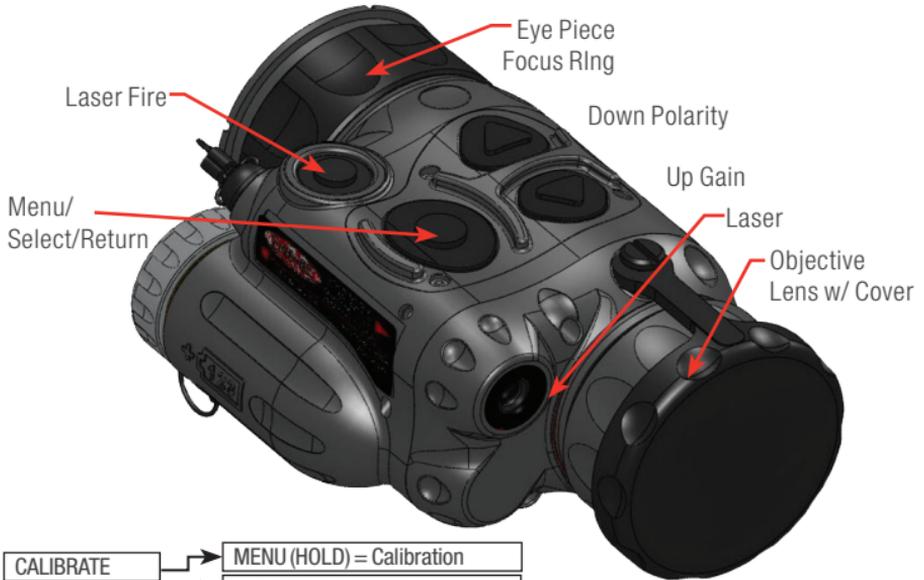
3.5 SERVICE / REPAIR

3.5.1 MANUFACTURER SERVICE / REPAIR

Please contact our Customer Service Department at 248-960-7700 or e-mail us at customerservice@trijicon.com.

Trijicon® SkeetIR™ x

Operator and Maintenance Manual



DN (HOLD) = Toggle 30Hz and 60Hz
UP (HOLD) = While in 60Hz Mode Toggles Video Mode
DN+MENU (HOLD BOTH) = Toggle Menus into Inner/Outer Positions

POWER ON =
 UP + DOWN for
 3 seconds

CALIBRATION =
 Hold MENU

POWER OFF =
 UP + DOWN for
 3 seconds

Laser Pointer Operation
 FIRE = Momentary On
 or (Double Tap FIRE to
 enable Continuous Mode)

Battery Installation:

1. Only use
 123 Type Lithium Batteries
2. Insert with Positive End
 Facing Out

BUTTON SHORTCUT	ACTION
UP + DOWN	Hold both for 3 sec to Power On or Power Off
MODE: ON	
UP	Gain, Adjust Up/Down/AGC
DOWN	Toggle Polarity (Wht/Blk/Edge)
MENU	Main Menu
MENU(Hold)	Calibration
MODE: MENU	
UP, DOWN	Scroll Up / Down
MENU	Select/Toggle Mode
MODE: RETICLE	
UP	Select Crosshair/Scale/Off
DOWN	Reticle Alignment UP = Horizontal, DN = Vertical
MODE: SNAPSHOT	
UP	Capture and Save Image
MODE: SNAPSHOT - IMAGE REVIEW	
DOWN	Enter Image Review
MENU	Exit / Return to Menu
MODE: SNAPSHOT - IMAGE REVIEW	
UP, DOWN	Scroll thru saved images
MENU (Hold)	Delete Image
UP	Confirm Delete
DOWN	Cancel Delete
MENU	Exit/Return to Snapshot Menu



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PML1034-1 Rev(1) 0918