



communications

EOTech

HOLographic Weapon Sights



HOLOGRAPHIC WEAPON SIGHT

NEW PRODUCTS

MODEL EOLAD SEE PG 7

KEY FEATURES OF THE NEW EOLAD

- Single battery source and mount for operation of both 552 and Laser Aiming Device
- Low power mode (Laser Class I), for safe force-on-force training
- Activation and low battery indicator light
- Fully adjustable windage and elevation
- Momentary remote cable pressure pad switch and integrated momentary activation switch
- 10" remote cable pressure pad switch
- Optical pattern generators (2H, 2 SOCOM and 2L models only)



Please visit our newly updated and revised website at

WWW.L-3COM/EOTECH



FOR 2008



**MODELS 511.MOSSY OAK &
511.REALTREE**

SEE PG 13

KEY FEATURES OF THE NEW 511.MO AND 511.RT

- Same great features as the original 511.A65, Standard reticle pattern
- Engage targets and moving game faster and easier
- Pick between Realtree Hardwoods HD® or Mossy Oak Obsession®
- Ideal for use on your slug gun, muzzle loader or bow/crossbow



MODEL 555.A65
SEE PG 10

KEY FEATURES OF THE NEW 555

- Produced under contract for the US Marine Corps
- Same benefits of the model 553, but uses AA battery instead of 123 Lithium
- Uses ARMS® Throw Levers® for mounting to MIL-STD-1913 rail
- Night vision compatible



**MODELS 516.A65 &
556.A65**
SEE PG 10

KEY FEATURES OF THE NEW 556/516

- Same side button interface and rail mount as the 557
- Uses 123 Lithium batteries
- Base design allows mounting over d-ring
- Removed base material allows mounting over d-ring
- No buttons on the back allows room for BUIS, magnifiers or NVDs
- Comes standard with the A65, circle/dot reticle

REVOLUTIONARY

All modern U.S. fighter aircraft employ holographic heads-up display technology to meet the requirement for super fast, accurate target acquisition. This has been proven by TopGun fighter pilots throughout the world.

The HOLOgraphic Weapon Sight (HWS) is the 1st electro-optic sighting system to apply holographic technology to small and medium sized weapon platforms. When used in Close Quarter Battle (CQB) environments, this revolutionary weapon optic delivers amazing speed and accuracy gains, un-compromising use of peripheral vision, leaves no muzzle side operator signature and is packaged in a compact, durable unit.

Now deployed with elite Special Forces and SWAT teams the world over, the HWS delivers vastly improved shooting performance for all levels of operators.

Speed Means Survival

THE MAGIC OF HOLOGRAPHY

In holography, all the information required to reconstruct the reticle image is recorded everywhere in the Heads-Up Display window. If the window is obstructed by mud, snow, rain, etc., the HWS remains fully operational, with point of aim/impact being maintained. Even in such extreme cases where the front window is shattered, the HWS is fully functional and the zero is maintained! As long as the operator can see through any portion of the window, the entire reticle pattern is visible on target. The operator can still engage with confidence!



*Still accurate
covered in mud*

*Still accurate
covered in snow*

*Still accurate
broken window*

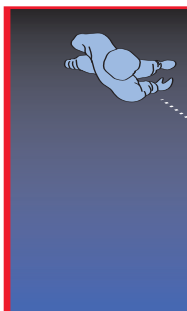
REAL LIFE STORY

A case in point is a recent occurrence with a US Federal law enforcement agency. An operator took an in-coming training round (orange paint) during a firefight engagement in a shoot house. The training round smashed the HWS's front window upon impact. The operator had no idea he was hit because he saw the holographic reticle clearly and continued through his course of fire. He engaged all targets perfectly without any change to point of impact. Needless to say, all the operators training that day were in awe.



*Sealed and nitrogen
filled optical cavity
ensuring waterproof
(submersible) and
fogproof operation*

*Flat optics and anti-refl
coatings to eliminate m
side reflective glare sig*



BREAKTHROUGH

State-of-the-art composite material enclosing the optical cavity

THE HOLOGRAPHIC ADVANTAGE

The holographic patterns have been designed to be instantly visible in any lighting condition, to be instinctive to center regardless of the shooting angle, and to stay in view when sweeping an engagement zone. Reticles are designed as large, see through, patterns that achieve lightning quick reticle to target acquisition speed without covering up or obscuring the aiming point.

The standard reticle is a 65 MOA ring with alignment ticks and a 1 MOA aiming dot.

The large, open ring is the key to the lightning quick eye recognition and unmatched target acquisition speed. Alternately, the 1 MOA can be used for precision aiming at distances as far as 500 yards where it only covers 5" of the target scene. The reticle demonstrates its versatility for a host of close quarter and long range engagement scenarios ... there is no compromise between speed and precision accuracy.

Speed Means Survival

Electronics fully encapsulated in shock absorbing resin compound

Hardened and corrosive resistant componentry

Effective muzzle signature

EXTREME DURABILITY - BUILT TO TAKE IT

The HWS has been designed and tested to provide consistent, reliable performance, even in the most hostile operating environments. The HWS is waterproof (submersible), fogproof, shockproof, and withstands extreme temperature variations.

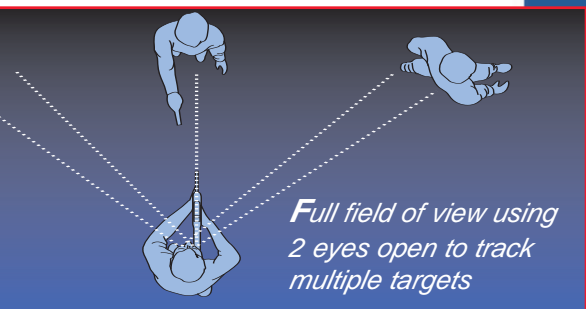
The HWS meets military drop test requirements with no functional degradation to the weapon optic and holding zero to within 2 MOA! The HWS can take the banging, beating, and punishing treatment commonly inflicted in battlefield environments and remain fully operational and hold zero. Every HWS is extensively tested in a punishing recoil simulator generating 2,000 G's of acceleration in less than 1.0 milliseconds, as well as various environmental chambers.

The Heads Up Display is constructed with a 3 layer, shatterproof laminate glass that is 3/16" thick for added durability. Additional protection of the Heads Up Display is provided with a "roll bar" ruggedized hood.

HEADS UP, FULL VIEW

Multiple threats are a given in tactical situations. The retention of peripheral vision is critical for threat ID and situational awareness. Engagement with 2 eyes open is a must.

The HWS employs a true Heads-Up Display that eliminates blind spots, constricted vision, or the tunnel vision associated with tubed sights. All user controls are flush to the HWS's streamlined housing with no protruding knobs, battery compartments or mounting rings that block the shooter's vision of the target area. True, 2 eyes open shooting is realized. Instant threat identification is achieved by maximizing the operator's peripheral vision and ultimately gaining greater control of the engagement zone. The end result - operators achieve maximum situational awareness.



VISION

YOUR ACCURACY IS OUR AIM

MISSION

Our business is to provide a global customer base with state-of-the-art, high quality optical products and systems for defense, law enforcement, homeland security, and recreational purposes.

CORE VALUES

INTEGRITY: We conduct business with the highest standards of ethics; developing a mutual trust with each other, customers, shareholders, suppliers and the community. Integrity is the foundation of everything we do.

CUSTOMER FOCUS: Our customers are the focus of our business. We align all business objectives with the expectations of customers. We build long term customer relationships through superior performance. We are responsive, straight-forward and committed in all dealings with customers.

TEAMWORK: We succeed through collaborative efforts directed at achieving common, defined objectives. We share information, cooperate across organizational boundaries, focus on adding value, and earn the trust of our teammates. Our people are empowered to make decisions and initiate change at all levels.

Survival Speed Means Survival Speed Means



CONTINUOUS IMPROVEMENT: We are committed to improving everything we do. The relentless pursuit of excellence drives our daily activities. We operate in an environment that encourages innovation, creativity, and a bias-for-action. We constantly challenge the status quo and meet our commitments. We develop and achieve demanding goals that are both short and long term.

QUALITY: Our goal is to be the recognized leader in our marketplace; well-known for innovation, quality, responsiveness and value. We continuously strive to be the standard by which performance is measured. We execute with facts, urgency, and decisiveness.

INNOVATION: We apply original thought, creativity, and sound business judgment to overcome obstacles, meet aggressive goals and improve products and processes. We are committed to technical and market leadership.

MODEL EOLAD ^{NEW} 552 WITH INTEGRATED LASER AIMING DEVICE

Order Code: See bottom of page for details

Length/Width/Height: 5.5"x2.4"x2.4" (14x6x6 cm)

Weight: 16.8 oz (476.3 grams)

Waterproof: Submersible to 33 ft depth

Color/Finish: Non reflective black with hard coat finish

Laser Type: Visible pointer Laser Class IIIa IR pointer / IR illuminator
Laser Class IIIb

Power Output:

-Hi-Power Visible pointer-5mW

-Hi-Power IR pointer/IR illuminator-25mW-100mW

-Lo-Power Visible/IR pointer/IR illuminator-1mW

Wavelength: Visible pointer 635nm

-IR pointer / IR illuminator 835nm

Beam Diameter: Visible / IR pointer 8mm @ 25 meters

Beam Divergence: IR illuminator 0-6 degrees

Range/Visibility:

-Visible pointer-450 meters (low light) / 30 meters daytime

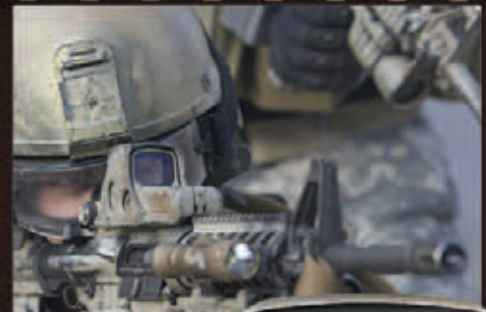
-Lo-Power IR pointer/IR illuminator-600 meters

-Hi-Power IR pointer/IR illuminator-2000 meters

Power Source: 2x 1.5V AA batteries (supports lithium, alkaline, or rechargeable)

Battery Life: 5 hours with continuous laser operation

For 552.A65 HWS Specifications, see pg 11



L-3 EOTech and Laser Devices, Inc. (LDI) have teamed up to produce the EOLAD. A standard model 552.A65 Holographic Weapon Sight (HWS) that has an integrated Laser Aiming Device running on the single battery source of the HWS.

The EOLAD combines the speed of the HWS with the power and precision of an LDI laser. This single, compact unit provides lightning fast target acquisition with pin-point accuracy and eliminates the added weight and bulk from the front of the weapon platform.

All EOLAD models are integrated on the 552.A65 HWS (see page 11 for specifications and details). The EOLAD is available in the following models

- **EOLAD-2H**—Infrared aiming laser (835nm / 35mW) and focusable infrared illuminator (835nm / 35mW)
- **EOLAD-2 SOCOM**—Infrared aiming laser(835nm / 25mW) and focusable infrared illuminator (835nm / 100mW)
- **EOLAD-2L**—Infrared aiming laser (835nm / 1mW)and focusable infrared illuminator (835nm / 35mW)
- **EOLAD-2VI**—Visible aiming laser (635nm / 5mW) and infrared aiming laser (835nm / 1mW)
- **EOLAD-1V**—Visible aiming laser (635nm / 5mW)
- **EOLAD-1I**—Infrared aiming laser (835nm / 1mW)

This Holographic Weapon Sight is controlled under the U.S. International Traffic in Arms Regulations (ITAR) and may not be exported without proper authorization by the U.S. Department of State.



EOTECH HWS MODELS

GENERAL SPECIFICATIONS FOR ALL MODELS

OPERATION

Optics: Holography – 100% parallax free

Magnification: 1x

Eye Relief: Unlimited

Temperature: -40° to 150° F

Sealing: Internally fog-proofed optics

Adjustment (per click): 0.5 MOA (1/2" at 100 yds)

Adjustment Range: +/- 40 MOA travel

HEADS-UP-DISPLAY WINDOW

Optical Surfaces: Anti-reflective coating

Window Dimensions: 1.20" x 0.85" (30 x 23mm)

Front Window Material: 1/8" solid glass

Rear Window Material: Shatter resistant laminate (3/16" thick)

Field of View (100 yds): 30 yds (28m) at a 4" eye relief

Standard Reticle: 65MOA circle with quadrant ticks with 1 MOA aiming dot

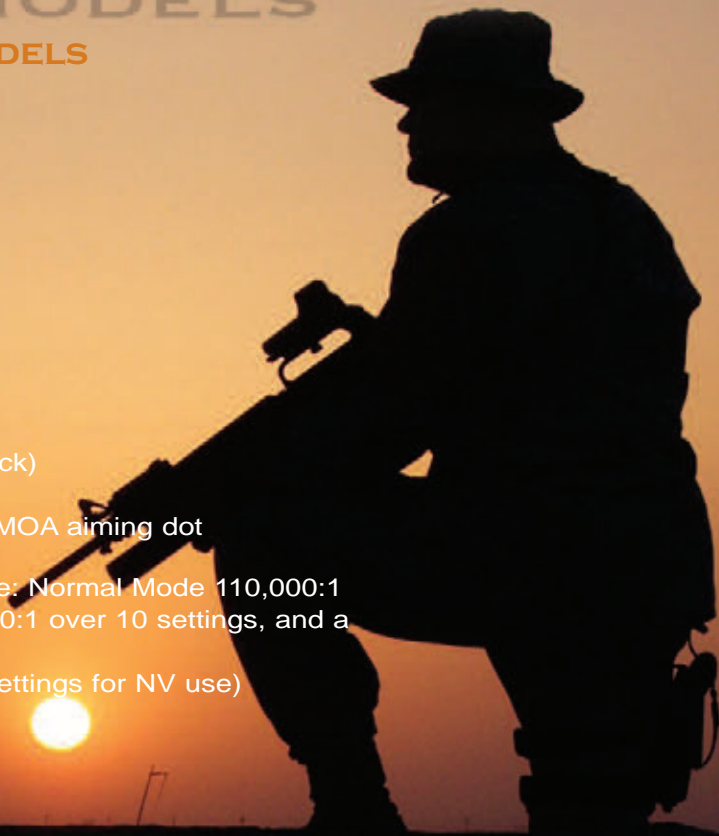
ELECTRICAL

Brightness Adjustment Range: Brightness Adjustment Range: Normal Mode 110,000:1 over 20 settings. For models with Night Vision Mode 1,000:1 over 10 settings, and a total range of greater than 30,000,000:1

Brightness Settings: 30 settings with scrolling feature (10 settings for NV use)

Auto Battery Check Indicator: Flashing reticle upon start-up

Auto Shut-down: At 8 hrs - programmable to 4 hrs



**MODEL 553
SHOOTER'S VIEW**

MODEL SU-231/PEQ MILITARY

Order Code: 553.A65/1

Length/Width/Height: 4.9"x1.8"x2.8" (124x46x71 mm)

Weight: 12.3 oz

Waterproof: Submersible to 66 ft depth

Color/Finish: Flat Dark Earth (non-reflective black on some small components) or Non reflective black with hard coat finish

Mount: USSOCOM requirements dictated dual quick release throw levers designed specifically for the Picatinny (mil-std-1913) mounting rail

- Certain commercial variants of the mil-std-1913 rail specification may not be compatible with the Model 553 mounting assembly

- Model 553 bases consist of (2) ARMS® throw levers and is only adaptable to rails that properly accept the ARMS® design

Return to Zero: Repeatable to 1 MOA after re-mounting

Night Vision Brightness Range:

1,000:1 with NV switch engaged

Power Source: 2 x 123 lithium batteries

Battery Life: 1100 continuous hours at nominal setting 12

NSN: 1240-01-533-0941



This Holographic Weapon Sight is controlled under the U.S. International Traffic in Arms Regulations (ITAR) and may not be exported without proper authorization by the U.S. Department of State.

After extensive testing of various optical sights, US Special Operations Command has standardized on the HWS as its 1X weapon optic for close quarter, urban combat zones. To meet the stringent requirements set and demanded by our elite fighting forces, L-3 EOTech has developed the SU-231/PEQ (Model 553), modeled after the ever popular, battle proven HWS design. The SU-231/PEQ (Model 553) incorporates many additional features required within the SOPMOD Block 2 program.

- Dual quick-release throw levers for instant attachment
- Powered by two 123 Lithium batteries, allowing cross application with other electronic gear
- 7mm (1/4") higher than the standard 552 height to provide an operator a consistent cheek weld with all other standardized optics
- 66 feet (2ATM) water submersibility
- Battery cap tether to avoid loss in the field

NOW, OUR ELITE U.S. SPECIAL FORCES WILL DEPLOY USING THE ELITE IN CLOSE COMBAT OPTICS...ONLY THE BEST FOR THE BEST

MODEL 556 TACTICAL NEW

Order Code: 556.A65/1
Length/Width/Height: 5.1"x2.1"x2.8" (130x53x71mm)
Weight: 11.9 oz (372 grams)
Waterproof: Submersible to 33 ft depth
Color/Finish: Non-reflective black with hard coat finish
Mount: 1" (MIL-STD- 1913) rail
Return to Zero: Repeatable to 1 MOA after re-mounting
Night Vision Brightness Range: 1000:1 with NV switch engaged
Power Source: 2 x 123 lithium batteries
Battery Life: 1,100 continuous hours at nominal setting 12

The 556 is destined to become the most popular HWS in use. It is a deviation from the 557 and offers the battle tested 65 MOA circle/ 1 MOA dot reticle. Its side button operation offers quick brightness adjustments and it is powered by the ever popular Lithium 123 batteries. The mounting base has been designed to clear the delta ring and handguard of an M4, reducing the rail space needed for mounting. Utilizing only 3.2 inches of rail space, the 556 requires less rail than the small N Battery HWS units. This is ideal for use with magnification or night vision and preserves adequate rail space for a rear back up iron sight.



This Holographic Weapon Sight is controlled under the U.S. International Traffic in Arms Regulations (ITAR) and may not be exported without proper authorization by the U.S. Department of State.



MODEL 555 NEW

Order Code: 555.A65/1
Length/Width/Height: 5.70"x1.8"x2.8" (145x46x71mm)
Weight: 13.6 oz (386 grams)
Waterproof: Submersible to 33 ft depth
Color/Finish: Non-reflective black with hard coat finish
Mount: Dual quick release throw levers designed specifically for the (MIL-STD-1913) mounting rail:
 -Certain commercial variants of the MIL-STD-1913 rail specification may not be compatible with the 555.A65/1 mounting assembly
 -The 555.A65/1 base consists of (2) ARMS® throw levers and is only adaptable to rails that properly accept the ARMS® design
Return to Zero: Repeatable to 1 MOA after re-mounting
Night Vision Brightness Range: 1000:1 with NV switch engaged
Power Source: 2x 1.5V AA batteries (supports lithium, alkaline, or rechargeable)
Battery Life: 1,000 continuous hours (lithium) at nominal setting 12; 600 continuous with AA alkaline



Built under contract for the United States Marine Corps, the 555.A65 is based on the design of the hugely successful 553. The 555 includes nearly all of the features of the 553 but uses a AA battery power source and is only offered in the non-reflective black anodizing.

This Holographic Weapon Sight is controlled under the U.S. International Traffic in Arms Regulations (ITAR) and may not be exported without proper authorization by the U.S. Department of State.

MODEL 552 MILITARY/TACTICAL

Order Code: 552.A65/1

Length/Width/Height: 5"x1.8"x2.25" (127x46x57mm)

Weight: 11.5 oz (326 grams)

Waterproof: Submersible to 33 ft depth

Color/Finish: Non reflective black with hard coat finish

Mount: MIL-STD-1913 rail

Return to Zero: Repeatable to 1 MOA after re-mounting

Night Vision Brightness Range: 1,000:1 with NV switch engaged

Power Source: 2x 1.5V AA batteries (supports lithium, alkaline, or rechargeable)

Battery Life: 1,000 continuous hours (lithium) at nominal setting 12; 600 continuous with AA alkaline

Reticle Options: 65 MOA, Single 1 MOA aiming dot, XR500, XR308

Standardized by the DEA, ATF, and FBI SWAT, the Model 552 is by far the most popular HWS model. This NV compatible, AA battery model is the sight of choice by military units like Stryker Brigade, 10th Mountain, and 3rd Infantry. It is battle proven to withstand the abuse that any harsh environment, high powered weapon platform, or military mission can dish out.



MODEL 551 MILITARY/TACTICAL

Order Code: 551.A65/1

Length/Width/Height: 4"x1.8"x2.25" (102x49x60 mm)

Weight: 8.8 oz (250 grams)

Waterproof: Submersible to 33 ft depth

Color/Finish: Non reflective black with hard coat finish

Mount: (MIL-STD-1913) rail

Return to Zero: Repeatable to 2 MOA after re-mounting

Night Vision Brightness Range: 1,000:1 with NV switch engaged

Power Source: 2x N type 1.5V alkaline batteries

Battery Life: 200 continuous hours at nominal setting 12

A lighter, smaller version of the Model 552, the Model 551 offers the same durability and function, but in a more compact unit. At 4 inches in length, this sight takes up less valuable rail space, leaving more room for a rear iron sight or NV mount.



MODEL 516

Order Code: 516.A65/1

Length/Width/Height: 5.1"x2.1"x2.8" (130x53x71mm)

Weight: 11.9 oz (372 grams)

Waterproof: Submersible to 33 ft depth

Color/Finish: Non-reflective black with hard coat finish

Mount: 1" (MIL-STD- 1913) rail

Return to Zero: Repeatable to 1 MOA after re-mounting

No Night Vision Compatibility.

Power Source: (2) 3.0V Lithium 123 batteries

Battery Life: 1,100 continuous hours at nominal setting 12

The 516 offers all of the features of the 556, but without the NV capability. Utilizing only 3.2 inches of rail space, the 516 requires less rail than the small N Battery HWS units. This more affordable unit is perfect for agencies that wish to utilize magnification while maintaining back up iron sights, but without the need for Night Vision Compatibility.

This Holographic Weapon Sight is controlled under the U.S. International Traffic in Arms Regulations (ITAR) and may not be exported without proper authorization by the U.S. Department of State.



MODEL 512

Order Code: 512.A65/1

Length/Width/Height: 5"x1.8"x2.25" (127x46x57mm)

Weight: 11.5 oz (326 grams)

Waterproof: Submersible to 10 ft depth

Color/Finish: Non reflective black with hard coat finish

Mount: (MIL-STD-1913) rail

Return to Zero: Repeatable to 1 MOA after re-mounting

No Night Vision Compatibility

Power Source: 2x 1.5V AA batteries (supports lithium, alkaline, or rechargeable)

Battery Life: 1,000 continuous hours (lithium) at nominal setting 12; 600 continuous with AA alkaline

The Model 512 is fast becoming the most popular model HWS. This tactical optic is perfect for agencies that want the best in CQB speed and versatility, without the need for night vision compatibility.



MODEL 511

Order Code: 511.A65/1

Length/Width/Height: 4"x1.8"x2.25" (145x46x71mm)

Weight: 8.8 oz (250 grams)

Waterproof: Submersible to 10 ft depth

Color/Finish: Non reflective black with hard coat finish

Mount: (MIL-STD-1913) rail

Return to Zero: Repeatable to 2 MOA after re-mounting

No Night Vision Compatibility

Power Source: 2x N type 1.5V alkaline batteries

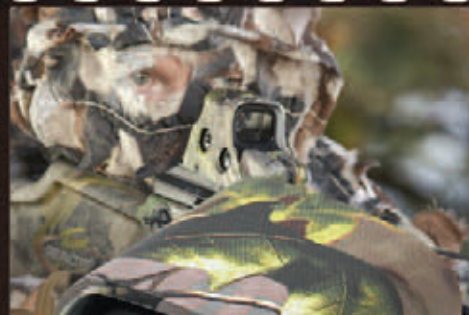
Battery Life: 200 continuous hours at nominal setting 12

Reticle Options: 65 MOA, Single 1 MOA aiming dot, Special less lethal pattern for Sage and FN

The Model 511 is the economical solution that sacrifices very little. It includes many of the bells and whistles the HWS is known for. Its smaller, lighter design is perfect for tactical environments, hunting game, or knocking down targets at a more affordable price point.



ns Survival Speed Means Survival



MODEL 511 NEW

Order Code: 511.MO and 511.RT

Length/Width/Height: 4"x1.8"x2.25" (145x46x71mm)

Weight: 8.8 oz (250 grams)

Waterproof: Submersible to 10 ft depth

Color/Finish: Available in either Mossy Oak Obsession® or RealTree Hardwoods HD® Camo (non-reflective black on some small components)

Mount: (MIL-STD-1913) rail

Return to Zero: Repeatable to 2 MOA after re-mounting

No Night Vision Compatibility

Power Source: 2x N type 1.5V alkaline batteries

Battery Life: 200 continuous hours at nominal setting 12

Reticle Options: 65 MOA, Single 1 MOA aiming dot, Special less lethal pattern for Sage and FN

Get all of your favorite HWS features found in the model 511 with a new twist: Mossy Oak Obsession® or Real Tree Hardwoods HD® camouflage coatings. Weather putting it on your bow, slug gun, or muzzle loader, the camo 511 models will not only improve your aim, but improve your concealment, as well.



MODEL 557

Order Code: 557.AR223

Length/Width/Height: 5.70"x2.1"x2.8" (145x53x71mm)

Weight: TBD

Waterproof: Submersible to 33 ft depth

Color/Finish: Non reflective black with hard coat finish

Mount: 1" Picatinny (MIL-STD-1913) rail

Return to Zero: Repeatable to 1 MOA after re-mounting

Night Vision Brightness Range: 1000:1 with NV switch engaged

Power Source: 2x 1.5V AA batteries (supports lithium, alkaline, or rechargeable)

Battery Life: 1,000 continuous hours (lithium) at nominal setting 12; 600 continuous with AA alkaline



All aiming points are 1 MOA in size



The new 557.AR223 has been developed to optimize the functionality of the HWS. The buttons have been moved from the back to the left side for instant access, allowing a magnifier, night vision, or a back up iron sight to fit closely to the HWS body. This new button position allows the user to operate the HWS function switches easier than ever before. Additionally, a portion of the front base has been raised to allow the sight to fit over standard hand guards found on many M-4 or M-16 style weapons.

The 557.AR223 is configured with a new ballistic matching reticle image for the M4 carbine. The battle tested circle/dot reticle will be offered along with a series of 1 MOA aiming dots that are vertically aligned and calibrated specifically for the ballistic drop of .223 caliber ammunition. The reticle provides 4 aiming dots for target distances of 0-300m, 400m, 500m, and 600m

KEY FEATURES:

- Vastly improved accuracy and target identification at longer distances
- Ballistic matched reticle image for .223 ammunition (M4) out to 600m
- Modified base designed to fit over standard hand guards.
- Gen I-IV night vision compatibility – with or without 4X scope
- Meets stringent military specifications
- Submersible to 33 ft water depth



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MODEL MPO MULTI PURPOSE OPTIC

Order Code: 557.4XFXD (With fixed magnifier base and quick release lever)

Order Code: 557.4XFTS (With flip-to-side magnifier base and quick release lever)

KEY FEATURES:

- A complete optical system – combining a medium range scope with a CQB optic
- Instant transition to varying range situations – used in CQB, perimeter, and medium range targeting (out to 600m)
- Measurable improvement in threat identification and target recognition
- Superior accuracy for critical long range shot placements
- True point source aiming dot – covers only 1.6 inches at 600m
- Ballistically matched reticle image for .223 ammunition (M4)
- Gen I-IV night vision compatibility – with or without 4X scope
- Superior light transmission
- Wide field of view – Maintains the large rectangular field of view of the HWS



L-3 EOTech introduces the latest in our line of innovative, performance driven products designed to aid the modern day warfighter - the MPO (Multi Purpose Optic). The MPO provides a complete optical system that solves the need for medium range precision targeting and target identification, as well as rapid transition to close quarters battle (CQB) engagements where speed and peripheral vision are essential.

The MPO is configured with a new ballistic matching reticle image for the M4 carbine. The reticle provides 4 aiming dots for target distances of 0-300m, 400m, 500m, and 600m. When viewed without magnification, the 65 MOA circle and center 1 MOA aiming dot are used, ensuring precision accuracy. Only through the unique optical properties of holography, the aiming dots remain 1MOA in size, regardless of magnification (yet your target has increased in size by nearly 4x)! Precise, medium range targeting (out to 600m) can now be achieved.

Field of view is optimized by integrating high quality prisms that maintain the rectangular shaped sight picture of the HWS, and since the illuminated reticle image is imbedded within the HWS, there is no risk of losing zero when the magnifier element is taken off or re-attached. Additionally, the base of the 557 HWS has been designed to reduce the amount of rail space required to effectively mount the system, making this ideal for the M4/AR15 flat-top platform.

For the infantryman, target ranges vary in ever-changing battlefield conditions. The MPO provides a solution for engaging threats in CQB situations, then quickly transitioning to a 500m targeting or surveillance situation, and then quickly back to a 25m room clearing exercise. Instant transition is achieved through a quick Flip-to-Side (FTS) mount or optional fixed mount (FXD) that offers a simple, quick disconnect feature to remove the 4X magnifier. This durable, night vision compatible system offers wide field optical performance with superior light transmission for visibility in extreme low light conditions.

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3X



MAGNIFIERS

Due to today's ever changing battlefield, the need to transition quickly between close quarters combat (CQB) and medium range target engagement is vital. Maintaining a precise shot at both distances is a must. This ability to transition between the two distances almost instantly and still maintain weapon accuracy is now achieved with two new magnifying optics from L-3 EOTech. Unleash the full potential of your Holographic Weapon Sight with the addition of a new L-3 EOTech 3x or 4x magnifier!

The 3X magnifier is an affordable magnified solution that will transition a fielded HWS into a lethal medium range optic. Superior light transmission and a large field of view helps this magnifier put the competition to shame. This rugged, streamlined optic offers split-second transitioning from CQB to medium range targeting.

Magnification Fixed: 3.25X
Eye Relief: 1.65" (42mm)
Field of View: 6 degrees
Length: 4.3" (110mm)
Weight: 6.5oz (184 grams)
Temperature: -20° to 140° F
Waterproof: 33 ft.
Sealing: Fogproof internal optics
Color/Finish: Non-reflective black with hard coat finish
Mount: 34mm ring with integrated dovetail adapter for use with quick release mount

Retrofits to all HWS models

FTS MOUNT



Length: 1.6" (40.6mm)
Height: 1.64" (41.7mm) Clears common low profile flip up rear iron sights
Weight: 4.5oz (128 grams)
Color/Finish: Non-reflective black with hard coat finish
Flip Orientation: Ambidextrous mount to allow left or right flip
Rail Interface: Fixed Picatinny with single mounting bolt.
Magnifier Interface: Retained by ARMS® throw
Optical Axis Adjustment: Horizontal and vertical adjustments within mount
Works with either 3x or 4x HWS magnifier

FXD MOUNT



Length: 1.6" (40.6mm)
Height: 1.64" (41.65mm) Clears common low profile flip up rear iron sights
Weight: 4.0 oz (113 grams)
Color/Finish: Non-reflective black with hard coat finish
Flip Orientation: Non Flip, ambidextrous mount
Rail Interface: Fixed Picatinny with single mounting bolt
Magnifier Interface: Retained by ARMS® throw
Optical Axis Adjustment: Horizontal and vertical adjustments within mount
Works with either 3x or 4x HWS magnifier

4X



The new 4X magnifier mounts behind the HWS and expands its capability

by offering target identification and sniper type accuracy out to 600m. This high quality optic offers crystal clear viewing through extremely high light transmission, and maintains an expansive field of view by keeping the rectangular sight picture of the HWS. Now, the best sight in the world has just become better.

Quick Release Lever

Magnification Fixed: 3.75X
Eye Relief: 1.65" (42mm)
Length: 4.6" (117mm)
Field of View: 6 x 7.5 degrees
Weight: 12oz (340 grams)
Temperature: -40 to 160 F
Waterproof: 33 ft.
Sealing: Fogproof internal optics
Color/Finish: Non-reflective black with hard coat finish
Mount: Integrated dovetail for use with quick detach mount

Retrofits to all HWS models

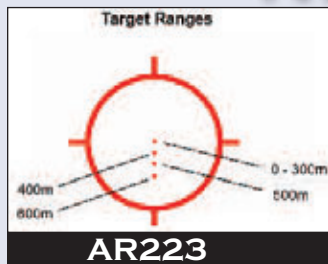


3X Magnifier with FTS (Flip-to-Side) mount

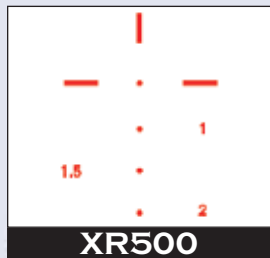
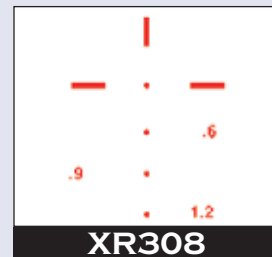


4X Magnifier with FTS (Flip-to-Side) mount

NEW RETICLE PATTERNS



This customized reticle provides a multi purpose image that is calibrated to the specific trajectory of the M240. The center dot is used for 0-300 meters. Three additional calibrated aiming dots are for 600m, 900m and 1.2km. No matter what .308 cal platform you own, the 552.XR308 can take your speed and accuracy gains to the next level. In addition to the M240 machine gun, the sight works with other .308 platforms such as Remington 700s or AR-10 style rifles. Available in Model 552 only.

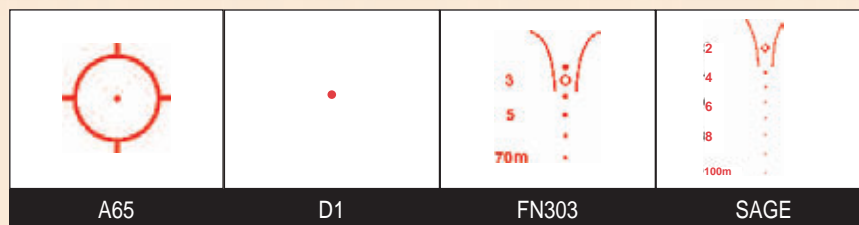


This customized reticle provides a multi purpose image that is calibrated to the specific trajectory of the .50 cal BMG round on an M2. The center dot is used for 0-300 meters. Three additional calibrated aiming dots are for 1km, 1.5km and 2km. No matter what .50 cal platform you own, the 552.XR500 can take your speed and accuracy gains to the next level. In addition to the M2 machine gun, the sight works with other .50 cal platforms such as Barrett, Cobb, and many other .50 cal rifles. Available in Model 552 only.

The reticle images shown in the L-3 Communications EOTech, Inc. product brochure are meant to demonstrate the image pattern. The actual image in the HWS may vary slightly.



OTHER AVAILABLE RETICLE PATTERNS



In holography, virtually any image can be created as a reticle pattern in either 2 or 3 dimensions. Given sufficient volume, the HWS's reticle patterns can be tailored to support various user requirements for a host of applications in both small arms and medium sized weapon platforms, as well as individual launching platforms. Reticle designs can be fabricated to incorporate multiple trajectory point of aim/point of impact, range assisted scales, and anti torque or cant visual indicators. Optical elements and ranging nomenclature can also be fabricated in a non-interfering optical domain of the window to assist in target ranging.

The HWS has already been successfully adapted to various less lethal launching systems and medium sized caliber machine gun weaponry. It can additionally be adapted to special weapon systems such as shoulder-fired anti-tank weapons and grenade launching weapons. With the advanced holographic technology, the HWS demonstrates its unique flexibility and adaptability to solve a number of fire control issues for a host of applications and weapon platforms well beyond small arms applications.

NIGHT VISION COMPATIBILITY

The night vision compatible series of sights, which includes the Model 553, Model 552, and Model 551, are fully compatible with all generation levels of night vision intensifier tubes. A special night vision (NV) setting allows the operator to immediately drop the brightness intensity of the holographic reticle to eliminate any “halo” affect while viewing through an image intensifier tube. The night vision compatible series can be positioned in tandem with night vision image intensifiers without any “bloom” of the target area. Now operators can combine the proven night vision technological advantage with a superior, close quarters weapon optic to achieve greatly enhanced weapon aiming – in complete darkness.

Unlike active IR laser pointer systems, the HWS is a passive system and emits no muzzle side signature. While in the NV mode, the HWS is undetectable against enemy night vision surveillance systems, providing operators with a stealth means for effective nighttime weapon aiming.

The night vision compatible series unique switches allow the operator to instantly drop the holographic reticle’s brightness to the NV mode of operation. The operator has the ability to toggle back and forth between the NV mode and the normal day/night operation within fractions of a second. The night vision compatible series has 10 distinct night vision settings to provide maximum flexibility to the operator. Typically, 3 to 4 brightness settings are not enough to support a host of constantly changing conditions including manufacturing variances in the sensitivities of the image intensifier tubes, varying ambient light environments, and varying light gathering sensitivities of the human eye across users. The night vision compatible series still maintains the 20 normal brightness settings for normal day/night operations.

The typical configuration is with both the monocular night vision system and the HWS mounted in tandem on the weapon’s receiver. Operators can also use the holographic reticle with head/helmet mounted monocular night vision image intensifier systems, even on a partial cheekweld on the weapon’s stock. This allows the operators added flexibility and greater versatility when deploying with night vision systems in the ever changing battlefield environments.



New NV ring for the PVS-14 that works with either the FXD or FTS mounts!

NO RETICLE WASH-OUT

The HWS’s 30 brightness settings (10 settings in NV mode Model) ensure the holographic reticle can be instantly viewed in ALL types of lighting environments, cluttered backgrounds and target colors. The HWS delivers an impressive 50,000,000:1 bright to low reticle contrast ratio to ensure the reticle is always clearly viewable.

Reticles can be easily seen against white targets in full sunlight – even in desert or tundra environments. With the HWS, there are no reticle “wash out” conditions as seen in red dot sighting systems. Operators can then adjust to work in moonlit or super low light environments against dark colored targets without “overwhelming” the target scene. For extreme low light conditions, engaging the HWS’s night vision mode allows the reticle pattern to be viewed in tandem with the most advanced night vision systems on the market today. The 30 brightness settings provide the operator the flexibility to adjust for optimal conditions in today’s ever changing battlefield environments.

NO REVEALING SIGNATURE

The HWS is a passive weapon optic and does not emit any muzzle side, position revealing light signature. The projected reticle pattern is visible only to the operator. Even Gen III night vision equipment cannot detect muzzle side signature of the operator’s position.

The result – the operator remains absolutely undetectable in any operating environment.

MOUNTING SOLUTIONS



M-4 Flat-Top Co Witness Setup

Sight positioned on flat top. Co-witnesses and maintains cheek-weld. We carry Troy Industries front and rear flip ups and GG&G rear. Order codes:
9-TROY-FBSRA4 (rear)
9-TROY-FBSA4F (front) 9-GGG-MAD (rear)



MP5 Mid Range Profile Mount

Mid profile positioned mount for MP5, 33, 53, 91, 93, 94, and G3. Maintains access to ghost rings and supports NV operation. Order code: 9-BT-21298



MP5 Low Profile Mount

Low profile positioned mount for MP5, 33, 53, 91, 93, 94, and G3. Maintains cheek-weld and supports NV operation. Order code: 9-BT-21262



Tactical Shotgun Mounts

Saddle mount, no tapping required. For Remington 870, 1100, 11-87. Other models available for Mossberg 500 and Benelli M-1 Super 90. Order code: 9-BSQ-16800



Drop-in Quad Rail

Quad rail that fits in standard D Ring of 7" AR platforms. No modification to rifle required. Simply replaces handguard. Low cost, high quality. Order code: 9-EOT-QR7



LaRue Tactical 1/4" Rise

Rise for flat top AR's. Mount raises sight 1/4", and places irons in sighting plane in bottom portion of sight window. Mount has LaRue patented QD lever for fast removal. Mount has additional rise for accessory NV optic ring. Order code: 9-LT-110



M-16/AR-15 Carry Handle Mount

Positions rail on top of carry handle. Keeps access to iron sights and has extended rail for NV systems. Works well with gas mask peripherals. Order code: 9-ARMS-#2EXT



M-16/AR-15 Adjustable Cantilever Mount

Co-witnesses with irons and maintains cheek-weld. Adjustable height at drop, forward of carry handle. Attaches with nut to carry handle. Order code: 9-BC-CAM



M-16/AR-15 Fixed Cantilever Mount

Co-witnesses with irons and maintains cheek-weld. Cantilever mount attaches with finger operated nut to carry handle. Order code: 9-MWG-SAM3AH

The HWS mounts to any universal Picatinny mounting rail (other than 553 supports 1" weaver dovetail) with an integral mounting platform for adaptation to user preferred eye relief. The HWS can interface to any standard issue M16 or M4 variant in either a fixed carry handle or flattop receiver, and with no modifications to the weapon. The M16 and M4 mounting platforms provide for the functionally critical aspect of co-witnessing the iron sights within the HWS's Heads Up Display while maintaining the operator's critical cheekweld position.

Various other mounting platforms are supported for the HK, UMP45, G36, the Sig 550, FN P90 or FAL, and Remington, Benelli, and Mossberg tactical shotguns.

The HWS also interfaces to a host of machine gun weapon platforms including FN's M240, 249, the M2/M3, and Minimi. Consult our factory for non-standard mounting solutions for weaponry such as the Steyr AUG, Beretta 70/90, FAMAS, Daewoo K1/K2, IMI GALIL, AK47/MAK90 variants, etc.

L-3 EOTECH COMPANY BACKGROUND

L-3 EOTech, Inc. develops and manufactures products that leverage its advance electro-optics technologies. The advanced holographic weapons sight produced by L-3 EOTech has revolutionized electronic sighting technology and is being adopted rapidly by the elite units in the military and law enforcement agencies around the world as their preferred and standard close quarter battle (CQB) optic for small arms.

L-3 Communications Corporation (L-3) is the sixth largest defense contractor in the United States and the largest in Canada. L-3 is a prime contractor in Command, Control and Communications, Intelligence, Surveillance and Reconnaissance, Simulation and Training, Aircraft Modernization and Maintenance, and Government Services. L-3 is also a major provider of homeland defense products and services, particularly in the areas of aviation, port, maritime and border security, law enforcement, first responder equipment vehicles, and crisis management.

L-3 EOTech's staff has many cumulative decades of experience in advanced optical technology, with a major emphasis in the field of holography. This expertise is geared to developing innovative solutions within the electro-optics market. L-3 EOTech is dedicated to providing feature rich, highly reliable products and services, backed with outstanding technical support.



Patented
Technology



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Made In USA

GSA Contract #
GS-07F-0182L

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Specifications are subject to change.



Cleared for public release by Maj. Ken Hoffman, USAF: USSOCOM Public Affairs on July 6, 2006.