

553 Hits The Street

After much anticipation, L-3 EO-Tech has finally begun production on the model 553. Designed around the requirements specified by the Naval Surface Warfare Center at Crane, the 553 is the ultimate HOLOgraphic Weapon Sight. Two recent modifications to the USSOCOM unit were implemented by the request of Crane. First, to withstand the harsh environmental conditions on the battlefield, we beefed up the anodizing finish of the aluminum parts to meet Type III, Hardcoat anodization. This more elaborate process meets the Flat Dark



Figure 1: 553 Tan and Black

light signature, Crane has elected to preserve the standard black main body that is consistent with the current HWS line up. For those who have customers who want exactly what SOCOM operators deploy with, this exact model will soon be avail-

able to take advantage of the additional features such as the new Lithium 123 battery source and 7mm raised base, but in a color compatible with the large number of black rifles in the field.



Figure 2: 553 Tan and Black

able to our distribution base. Also, due to overwhelming customer requests, L-3 EO-Tech has decided to also offer the 553 in black. The user

Earth color requirement and provides deeper penetration into the aluminum, greatly minimizing long term deterioration. Secondly, to eliminate the possibility of reflectance or

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SPECIAL POINTS OF INTEREST:

- *Tech Talk— benefits of the A65 reticle*
- *Photo contest winner*
- *New Hire in manufacturing sector*

SPECIAL NOTE:

The 553 mounting interface is designed to mount only to rail systems that are within the tolerance range of the dimensions of the current MIL-STD-1913 rail specification. Rails which do not meet the dimensional tolerance of the MIL-STD-1913 rail may cause the sight to fit loosely, move on the rail during recoil, or not allow the cam levers to close properly.

Stryker Strikes Again

EOTech is proud to announce the recent purchase of several hundred



Figure 3: Sgt Smith with Stryker Brigade

Holographic Weapon Sights (HWS) by the U.S. Army's 25th Infantry Division, 2nd Stryker Brigade.

"We consider this sale significant for two reasons. First, it is the second large scale sale to one of the Army's newest combat units, Stryker Brigade in a little more than a year, and second, it demonstrates the troops' preference for an enhanced Close Quarter Battle sight" said L-3

EOTech's President, Paul Mangano. In late 2004, L-3 EOTech sold over 900 HWS to 1st Stryker Brigade, based in Ft. Lewis, WA. Mr Mangano offered "While we are very proud of our ability to provide such a vital piece of equipment to customers whose lives may depend on it, we are even more proud of our fighting men and women who use it in the course of their duties to defend and protect our freedom." L-3 EOTech is proud to have been chosen by the U.S. Army's 25th Infantry Division for its mission requirements and looks forward to supporting their future needs.

L-3-EOTech Receives Prestigious Award

L-3 EOTech has been chosen for the 2006 Frost & Sullivan Aerospace and Defense Client Value Enhancement in Tactical Applications of the Year Award. This award is presented each year to the company that has best demonstrated the ability to expand the customer base, while maintaining existing clients, with more innovative value creation and enhancement strategies than competing vendors. This award

recognizes the company's successful sales entry, customer acquisition and service strate-



gies and the degree to which those strategies have met customer stated needs and requirements. Such innovation is expected to significantly improve customer interaction and contribute to customer satisfaction.

Frost and Sullivan is the world leader in growth consulting and the integrated areas of technology research, market research, economic research, corporate best practices, training, customer research, competitive intelligence and corporate strategy. L-3 EOTech is extremely proud and honored to receive this prestigious award and is committed to maintaining this level of customer satisfaction.

Picture Perfect

The first winner of our quarterly photo contest is...

1LT Andrew J. Raymond Jr.

His photo submission has won him a model 552.A65/1. To win, you must submit an EOTech related photo to eotech.marketing@L-3com.com. Good Luck next quarter!!!

Photo: SPC James Warden, combat medic serving in the 4th Infantry Division, pulls security with his M16A2 rifle equipped with the EOTech HWS, just west of Baghdad International Airport.



Reticle Provides Multiple Benefits

By now, many users have seen or used the EOTech sight and the unique reticle design that has made it so popular. But still, several do not know the technical aspects and properties behind this reticle design.

The A65/1 reticle pattern is composed of three parts. First, the large outer ring has an outside diameter of 65 minutes of angle (MOA). This circle is about 10 inches in diameter at 15 yards. At this distance, the circle covers about 65% of the body of an average sized adult making this ideal for close quarter combat situations. The large circular reticle is very easy for the operator to see and it can be locked onto the target very rapidly. It also provides a natural centering aid to the aiming dot.

Second, the reticle design incorporates quadrant ticks extending off the outside diameter of the reticle circle. These 4 MOA ticks also assist in rapid target acquisition and provide additional leveling information to the operator.

Lastly, the reticle consists of a precise aiming dot. This aiming dot is a true point source, so the actual size of the dot is beyond the resolution of the human eye. 1 MOA is the acuity limit of a human eye with 20/20 vision. The dot provides the highest level of accuracy possible with a 1X sight and can be very effective out to 200+m because the small targets are not covered or occluded. Also, being a true point source, the dot does not magnify at the same rate as an environment or target. For example, using the HWS with a 4X magnifier in tandem, will only produce a 1.6"

aiming dot at 600m, creating a highly lethal long range optic.

Finally, the A65/1 reticle can be useful not only for lightning fast target acquisition, but for range estimation as well. Figure 4 illustrates how to determine estimated ranges out to 400 yards.

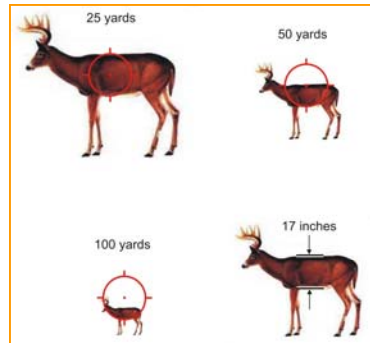


Figure 5: Example of how to determine range

The average adult male stands 5'9" in height, about the size of the outer diameter of the 65MOA ring at 100 yards. Moving out to 200 yards, that same male adult will occupy half of this outer ring diameter. A third of the diameter represents this adult at 300 yards, and 1/4 at 400 yards. This could prove very useful in surveillance work or perimeter coverage situations.

Similar estimation can be done in hunting situations as well. The girth of a whitetail deer is roughly 16-18 inches. At 25 yards, the distance from belly to spine occupies the entire 65 MOA ring (see figure 5). At 50 yards, the girth will occupy half of the circle, starting from the bottom to the 1 MOA center aiming dot and at 100 yards, the girth represents roughly 1/4 of the diameter. This can really come in handy for a still hunter or stalker that has a bit more time to calculate the proper shot placement.

Using a shotgun to hunt whitetail is common across the

country and is an ideal application for the HWS. The sight will mount directly to most cantilever slug barrels and offer the hunter immediate acquisition for deer on the move. Pushing or driving the woods often jumps deer, but more than likely they are carrying the mail. Two eyes open shooting and the large circle reticle locks onto this high speed animal instantly. With a magnified scope it takes too much time to position your head correctly to see the cross hairs and then place them on the vitals. With only precious seconds available, this range assistance will provide more accurate shot placement and the ability to lock on and pull the trigger before the trophy disappears.

In conclusion, the A65/1 reticle of the HWS provides multiple benefits to the operator. It is much faster to acquire in

do or die situations than the largest dot offered from any red-dot competitor. At the same time, the 1 MOA aiming dot is more precise than any competitor offering superior medium range sharpshooting. This, as well as the range estimating utility, makes our standard reticle the optimal pattern for CQB small arms and environments because neither speed nor accuracy is compromised, both critical components for the operator.

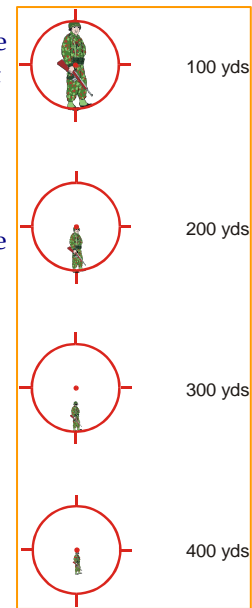


Figure 4: Range estimation to 400 yds.

L-3-EOTech Hires New VP



Russell Smith

L-3 EOTech has quickly grown to become a successful company in the DOD, law enforcement, and commercial shooting industries. Aside from the product, this achievement was driven by continually acquiring highly skilled and motivated people, dedicated to company success. L-3 EOTech has continued building on this reputation by adding a new key hire. We are proud to announce that Russell Smith has joined L-3 EOTech as Vice President of Operations. Russ will report directly to the company President and be responsible for Design and Manufacturing Engineering, Production, and Purchasing.

Russell's educational background includes a BS and MS in Ceramic Engineering from the University of Missouri-Rolla, and an executive MBA. He has formal training in 6 Sigma, and the Crosby Quality methods. He holds 7 U.S. patents and has published numerous technical articles, as well as co-authored a book on Ceramic Materials.

Prior to working for L-3 EOTech, Russ was Vice President of Operations for Gyricon, a subsidiary of Xerox, Vice President of Operations for Isolatek, and General Manager for Carborundum, a subsidiary of BP. His professional experience is in startup/growth companies, transferring new technology to commercial operations, and growing businesses.

Russ's strong background and rich experience is certain to contribute to future L-3 EOTech success. We proudly welcome Russ to the team.

Where L-3 -EOTech Will Be in 2006

There are several opportunities throughout the year to promote the HWS and connect with potential end-users. Here is a list of upcoming events we will participate in.

3600 Green Court,
Suite 400
Ann Arbor, MI 48105
Phone: 734-741-8868
Fax: 734-741-8221
www.L-3com.com

Contact John Bailey for all
inquiries at
734-741-8868 ext 3918
john.bailey@L-3com.com



October

Defendory, Oct 3-7, 2006, Pireaus, Greece
AUSA, Oct. 9-11, 2006, Washington, DC
Cops West, Oct. 24, 25, 2006, Ontario, CA



November

SWAT Roundup, Nov. 2006, Orlando, FL
CA Narc Off. Assoc., Nov. 18, 19, 2006– Reno, NV
ITOA, Nov. 2006, Oak Brook, IL



December

Small Arms LE, Dec 1-3, 2006, Phoenix, AZ