

Product Brief

Internal Display™ Technology

Internal Display™ (ID)

ID™ technology breaks new ground in handheld optical devices. Similar to "heads-up displays" used by military pilots, ID™ incorporates a transparent display into riflescopes, spotting scopes, and binoculars. ID™ provides a platform for accessories to display thermal and night vision video streams, ballistic information, and many other streams of data.



G1™ Riflescope

The G1™ is a superb 1-8x24 riflescope with anti-reflective coatings and an illuminated reticle in the second focal plane. It's the first riflescope to utilize the unique ID™ technology; the ID™ does not interfere with any standard function of the riflescope. The G1™ can be augmented with sensor technologies that display information on the internal "heads-up" display and vastly expand the user's capabilities without ever taking one's eyes off the target.



G1T3™ System

This system is based on the combination of the G1™ riflescope platform to display our next generation of thermal imager's images, the T3.™ The T3™ is simply the thermal imaging side of the T2™ without the range-finder. It has real-optical zoom from 2-4x and runs on a CR123 battery for up to 10 hours.



G5™ Riflescope

The G5™ is the second product with the unique Internal Display technology integrated. The ID™ does not interfere with any standard function of this 5 x 30 riflescope. With sensor technologies G5™ can vastly expand the utilization of the riflescope by offering Situational Awareness while user is focused on the target.



Scopes

S1LRF™ Spotter Scope

The S1LRF™ is now built-in with S1™ Spotting scope, making perfect system for long-range shooting sports and similar spotting applications. S1™ ID™ is a unique Spotting Scope with Internal Display. Display is overlaying reticle located at first focal place and will provide information overlaying the viewable image. Data shown can enhance reticle, display external LRF information or show communication feeds directly on the internal display.



scopeX2™ Adapter

The scopeX2™ will magnify 30 mm or 1'' tube scope's current range by exactly 2x. Any 2x scope can be doubled to 4x, 6x to 12x, or even 8x to 16x. When mounted in front of your scope the user can use the scopeX2™'s built-in turrets to boresight without having to change a single setting on the original scope.



scopeX4™ Adapter

The scopeX4™ will magnify any tactical scope by exactly 4x. With such a large change in magnification, a focus adjustment is included. The scopeX4™ is a two-part system whose mount can be permanently fixed to the scope and the optics can be removed at will. Standard turrets and adjustments can be used to optimize and zero the scope to perfection.



Thermal Imaging

T7® Thermal Clip-on

The compact design of the T7™ allows dual-use functionality: a handheld monocular, which helps you to survey your surroundings, and an excellent high-quality, quick detach auto flip (optional) mount that allows placing the clip-on on a rifle Picatinny rail in seconds.



T8® Thermal Clip-on

The T8® Thermal Clip-on scope features state-ofthe-art image enhancement algorithms developed to provide hunters with an unrivaled day/night vision advantage in detecting, observing and engaging targets. It incorporates the latest and greatest 1280 x 1024 VOx thermal sensor and optical technologies to deliver excellent reliability, magnificent imagery and range performance.



T5™ Thermal Imager

The T5™ offers on-board image processing enhancement modes; manual and automatic NUC capability; battery read-out and protection; and multiple display views: white hot/black hot/NV green/color. Wide angle units augment law enforcement agency capabilities conducting search operations.



Afocal Thermal Adapters

2x, 3x, 4x, and 2-4x adapters are specifically designed for hand held IR cameras. Using interchangeable connectors the adapters can connect to L-3 45xx/X200/X100 cameras or any 36xx/26xx cores. Focal length of the system simply increases by a factor of 2 or 4. No electrical or mechanical modifications to the core system. Shock and vibration tested.



Digital Night Vision

N2™ Digital NV Clip-on

The N2™ is a Digital Night Vision (DI²) clip-on system that quickly transforms your day scope into a night vision device without any special tools or affecting the boresight. The DI² clip-on uses an advanced world's best ultra-low light optical detector and 1920 × 1080 OLED display – providing unmatched clarity black & white viewing at night.



Rangefinders

F1™ Rangefinder

Extraordinary design meets extraordinary technology. The first over 1 km handheld or mounted laser rangefinder with multiple outputs. The F1™ sports a clean, ultra-light, and timeless shape that feels natural while sitting the palm of your hand. The F1™ is compatible with our ID technology and can drive the internal display of the G1.™



LRF1™ Laser Range Finder

TLRF3 laser range finder module based on the 1535 nm erbium laser can be produced for various performance requirements and has a maximum measuring range up to >6 km. Complete module with communication ports TTL or RS-422 can be integrated into variety of platforms.



Binoculars

B1™ ED II Binoculars

Have the means to inspect that backyard bird and switch to a sharp and in focus distant animal or galaxy. The B1™ binocular uses the finest ED (Extra-Low Dispersion) glass commercially available and produces stunning HD (High-Definition) images.



B2™ Binoculars

The B2™ binocular is a top-of-the-line open bridge binocular with SuperHD performance. These 7 element eyepiece system provides the best eye relief means enjoyable viewing for eyeglass wearers, and the remarkable close focus capabilities. The B2™ binocular uses the finest ED (Extra-Low Dispersion) glass commercially available and produces stunning HD (High-Definition) images.



B5™ LRF Binoculars

The B5™ LRF binocular has "One touch" operation; OLED easy-to-read display; Three modes of ranging: M1 – Linear mode/M2 – Horizontal mode/M3 – Vertical mode; Super accurate ranging at distances up to 2 km; Bright optics with 10x magnification; and Large prisms with phase and dieletric coating.



GoPro™ Solutions

EagleEye™ GS 10-100

The EagleEye gun scope attachment allows any user to record and transmit high-resolution photos and video using their own gun scope. The attachment is designed around the user friendly and well-known GoPro™ suite of Hero™ cameras. Record and show off your hunting or shooting session!



Other Products

E₁™ IR Illuminator



E₁™ Infrared Illuminator is an advanced high-power unit designed for long-range illumination containing top level features such as a high-power, long-range VCSEL illuminator, a superb flat far-field optical system with Fresnel lens, and four modes operation on a single switch – Low/Medium/High/Off. Constructed from aircraft grade hard anodized finished aluminum, the E₁™ is both waterproof and shockproof.

E₂™ IR Hunting Light



E₂™ Infrared Hunting Light is a new step in hinting illumination combining the best visible and night vision illumination, optics and electronics in one package. It has a high-power, long-range NV VCSEL illuminator and super bright Red and Green LEDs,and has a superb flat far-field optical system with a Fresnel lens. Constructed from aircraft grade hard anodized finished aluminum and Ultem, the E₂™ is both waterproof and shockproof.

ZeroLens



The ZeroLens is an optical alignment adapter that enables the use of a PVS-14 night vision monocular (NVM) to add nighttime engagement capability to issued combat optical day sights without zero shift. A non-electronic, compact, and rugged device that enhances your current inventory of equipment and training requirements of adding new stand-alone night vision sights.

3X and 6x Lenses



The 3x Lens is an afocal magnification lens designed for use with the PVS-14 and Zero Lens to add nighttime engagement capability to ACOG and other daysights. Its compact size allows it to be used as part of a small arms sighting system without interference concerns.

Laser Detectors

D₂™ Laser Detector



D₂™ is a passive laser warning receiver that detects and coarsely locates laser emissions from laser pointing/illuminating devices and rangefinders. The device enhances safety and survivability for today's battlefield environment by notifying an operator of any and all classes of commercial and military laser devices.

D₃™ Laser Detector



The D₃™ laser warning system enhances safety and survivability in today's battlefield environment by notifying its wearer of any commercial or military targeting laser emissions. Four unique wide-band detectors (750 nm–1700 nm) detect laser signals in a 360 Az by 120 El degree field and selectable audio, visual, and/or tactile feedback notify the wearer of a detection.



Torrey Pines Logic Product Brief

Download the TPL product brief on the home page at www.tplogic.com.

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