



# PIER-T™

## PIER-T™ Features and Benefits

- **Ruggedized**  
Aluminum case provides extra durability for use in harsh environments.
- **Hand-Held Design**  
Portable, lightweight, and easy to carry.
- **Bright LCD Screen**  
Facilitates easy and accurate image capture and data display.
- **User-Friendly Interface**  
Designed for ease of use in stressful environments

## Rugged Cost-Effective Iris Acquisition System

### The Tethered PIER™

The PIER-T™ (Portable Iris Enrollment and Recognition -Tethered) is a compact, rugged, hand-held iris image acquisition device that allows the operator to easily capture a high quality iris image for both enrollment and identification while tethered to a host PC or laptop.

### How It Works

The PIER-T includes state-of-the-art lenses, a high-resolution video sensor, dual band illumination, and a bright LCD screen to capture an exceptionally high quality image of the iris. To process the detailed information contained in the iris image, the PIER-T forwards the image to a host PC for algorithmic processing. The processing occurs through the use of the industry leading L-1 Daugman 2Pi algorithm, which turns the image into a unique binary template, known as an IrisCode™. The template is then used to quickly, accurately, and effectively identify an individual by matching a newly captured iris image to an existing iris template stored on a server.



### Deployments

PIER-T has been integrated and deployed globally:

- Biometric Application Toolset (BAT)
- Navy
- Marines
- Army
- Other DOD and non-DOD agencies
- Reliance Industries (India)
- The U.S. Registered Traveler Program



## Why Iris?

Iris recognition is considered the fastest, most accurate, and scalable of all biometric identification technologies. Once the iris is completely formed, within the first few months of life, the structure remains virtually unchanged throughout one's lifetime.

The iris contains vast amounts of complex textures unique to each individual and useful for identification. The iris is so unique that it is not only different between identical twins, but it is also unique between an individual's right and left eye. Iris recognition technology is noninvasive and completely safe.



“We believe that the use of biometrics, specifically iris recognition, in the War on Terror could help prevent another 9/11 from happening. SecuriMetrics' handheld device allows flexibility of use on the battlefield and provides a level of accuracy we have not seen before with biometrics. If the use of these devices can save just one life, we will have received benefit from our investment. Our goal is to use them to save many lives and win the War on Terror”

*Lieutenant Colonel  
 Kathy DeBolt*

*US Army Battle  
 Laboratory*

*Fort Huachuca,  
 Arizona*

## PIER-T™ Specifications

Item	Description	Comment
Physical Dimensions	Height	3.5 in (90 mm)
	Width	5.0 inches (125 mm)
	Depth	2.6 inches (65 mm)
	Weight	12 oz. (340 grams)
Hardware	CPU	T1 dual core processor
	Display	220x176 color
	Memory – RAM	32 MB
	Memory – Flash	64 MB
	Battery	1850 mAh Lithium Ion
	Connectivity	USB 1.1
Image Capture	Iris Capture Camera	640 x 480 (VGA) monochrome
Illuminators	Infrared Illumination	Dual Band IR (Safety Tested)
Accessories	External Power Supply	
	6 ft USB cable (Mini B)	

757 Arnold Drive,  
 Suite D  
 Martinez, CA 94553  
 Telephone: 925-229-2212  
 Toll Free: 800-557-5549  
 Facsimile: 925-228-6568

[www.L1id.com](http://www.L1id.com)