



**BLACK DIAMOND**  
ADVANCED TECHNOLOGY

**Iritech, Inc.**  
Technology with the Iris

### **Black Diamond Achieves Rapid Dual-Iris Capture with New Rugged Handheld Biometrics Device**

TEMPE, Ariz., and Fairfax, Virg. (June 9, 2010) — Black Diamond Advanced Technology has designed and delivered to Northrop Grumman a ruggedized, identity-management system for secure and efficient multi-modal biometrics collection in the field. Called the BioTRAC, the advanced multi-biometric, mobile handheld computer features IriTech's new embedded-processor dual-iris camera system, which is capable of outdoor, independent dual-iris image capture in less than 5 seconds on a rugged platform.

BioTRAC incorporates several biometric acquisition devices for complete identity enrollment in less than two minutes, including four high-resolution fingerprint sensors; a multi-function camera with one- and two-dimensional barcode reading; and dual-iris capture cameras. IriTech's IriCamm embedded dual-iris camera, with its modular design and easy integration, was a natural fit for the solution.

"Utilizing the SwitchBack's Backpack technology and the new IriCamm MF product, we were able to rapidly integrate fast dual-iris image acquisition in a small, military-rugged mobile platform to support multi-modal intelligence and border security applications," said Justin Dyster, Black Diamond's vice president of engineering. "This proven capability can be employed to meet a variety of identification needs, from military intelligence to border control."

Black Diamond designed the BioTRAC on the platform of its ultra-rugged, second-generation SwitchBack™ MT computer, which features patented, reconfigurable architecture. With its modular Backpacks and TopCaps, the SwitchBack enables rapid, low-cost development tailored to specific customer needs and a future-proof solution that can be upgraded when new technologies become available.

"Our new embedded processor dual-iris camera delivers extremely fast acquisition time, capturing two iris images faster than many systems can capture one, and greatly simplifies integration", said Jim Carlson, executive vice president of IriTech. "We are pleased to support such an advanced product targeting critical military missions."

Northrop Grumman commissioned the BioTRAC Backpack, and is developing operational software for this powerful new mobile device, and has initiated a number of field trials.

"The BioTRAC is a unique platform that supports multi-mission computing and identity management end-user requirements," said David Machuga, director of biometrics and RFID systems for Northrop Grumman. "We have leveraged the core capabilities from each teammate to create a rapid biometric acquisition platform and open software architecture that is rugged and adaptable to support the needs and changing missions of our customers."

### ***About Black Diamond***

Black Diamond Advanced Technology designs, engineers and manufactures fully rugged computers and accessories, including the SwitchBack™ ultra-rugged mobile PC. Black Diamond is a product line of RMT Inc. and is based in Tempe, Ariz. [www.bdatech.com](http://www.bdatech.com)

### ***About IriTech***

IriTech, Inc. offers advanced iris-based identification technology that addresses positive identification needs in financial, law enforcement, homeland defense, and intelligence markets to combat fraud, identity theft, crime, and terrorism. IriTech focuses on continuing innovation in iris identification, delivering modular software and hardware products in an open business model, and addressing markets ranging from national solutions to individual mobile devices. IriTech is headquartered in Fairfax, VA. [www.irittech.com](http://www.irittech.com)

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