



2013 Defense Security+ Sensing

Technical Program

www.spie.org/dss

Conferences & Courses
29 April to 3 May 2013

Exhibition
30 April to 2 May 2013

Location
Baltimore Convention Center
Baltimore, Maryland, USA

**Technologies and
applications for:**

- Defense
- Security
- Industry
- Environment



SPIE[®]

MISSION: POSSIBLE



High-Performance *nu*kW Fiber Laser Amplifiers for Directed Energy

- Single-Mode Beam Quality
- High Power Density
- High E-O Efficiency
- High Power At Narrow Linewidth



www.nufern.com

OPTICAL FIBERS – FIBER LASERS & AMPLIFIERS – FIBER GYRO COILS – DIRECTED ENERGY

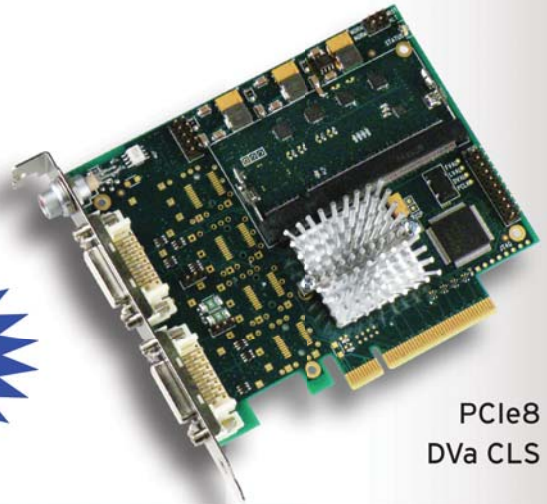
See EDT at SPIE DSS – Booth 1135



acquisition + simulation BOTH IN ONE BOARD

PCIe x8 simulator + framegrabber

- Simulator converts easily to a fully-functioning framegrabber
- Base through extended full mode
- Data rates up to 1.2 GB/s
- Optional 1 GB DDR2 memory, external triggering, timecode input



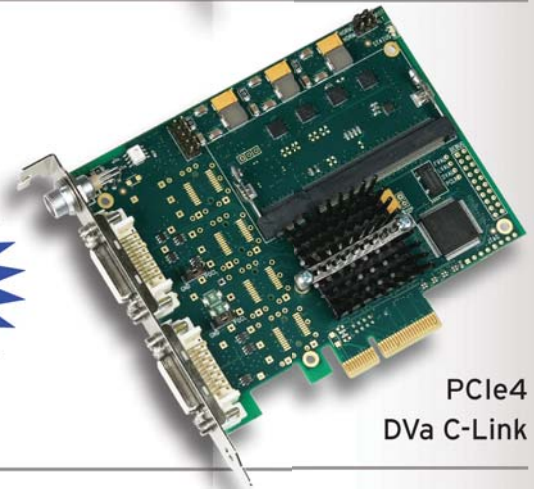
PCIe8
DVa CLS



framegrabber is economical

PCIe x4 framegrabber

- Base through extended full mode
- Data rates up to 680 MB/s
- Optional 1 GB DDR2 memory, external triggering, timecode input



PCIe4
DVa C-Link



fiber extender for up to 100 km

Long-distance extender over fiber

- Extends Camera Link up to 100 km
- Base through full mode
- Data rates up to 750 MB/s in full mode (240 MB/s in base mode)
- Provides electrical isolation from the host



RCX C-Link

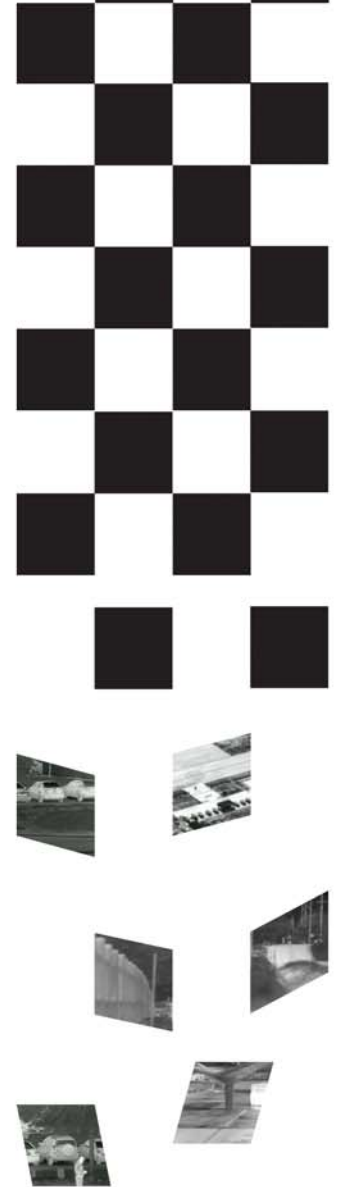
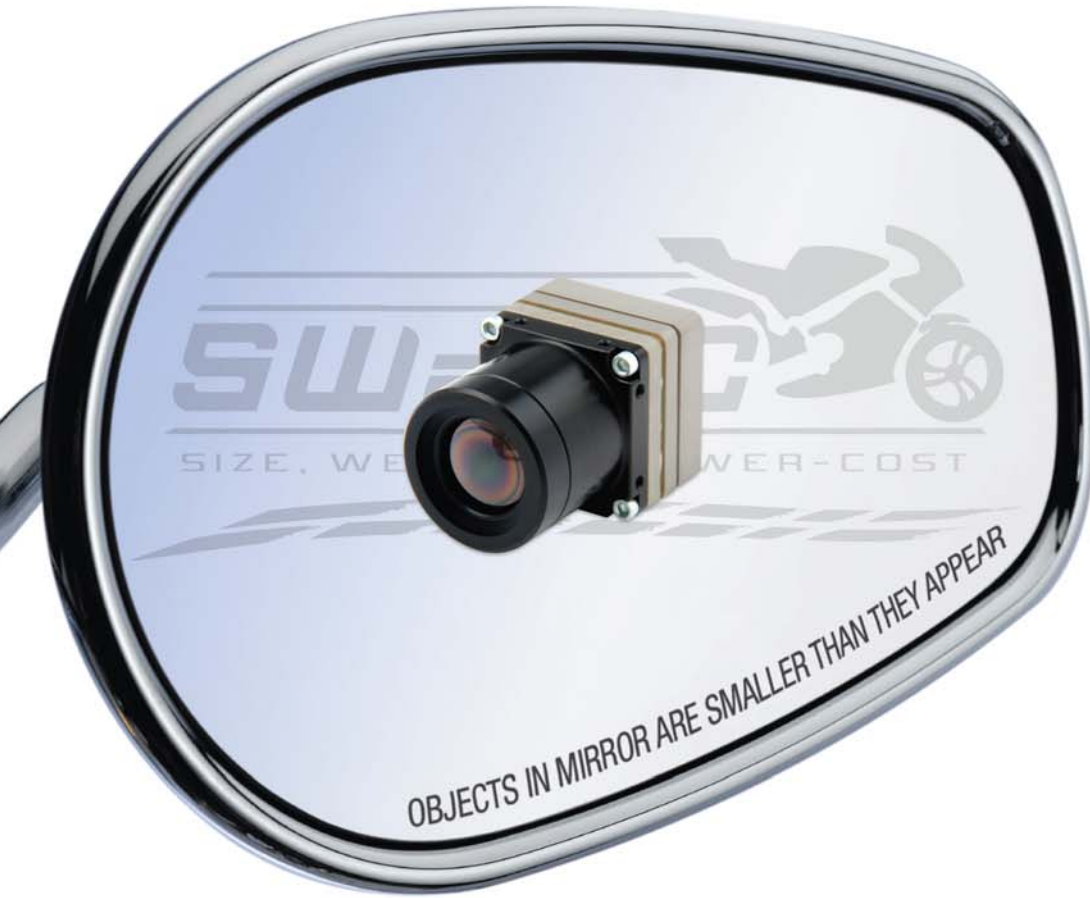


High performance
interfaces + systems



www.edt.com

Small size BIG payoff



Quark is the world's smallest, lightest commercial thermal camera core. Delivering 640 and 336 resolution, both with 17 μm pixels, Quark uses ~1.0 W of power. Its rugged, plug-and-play design is shock-resistant and provides easy integration: same software, firmware, and mechanical interface. Just choose your lens. Innovation like this comes only from FLIR - the industry leader in performance, reliability and price.



640 resolution

New OEM products from FLIR:



Clip SWIR



MLR-4K



Clip NIR



See FLIR's entire line of OEM products for yourself at the FLIR Booth. Also, learn more at FLIR.com/OEM.