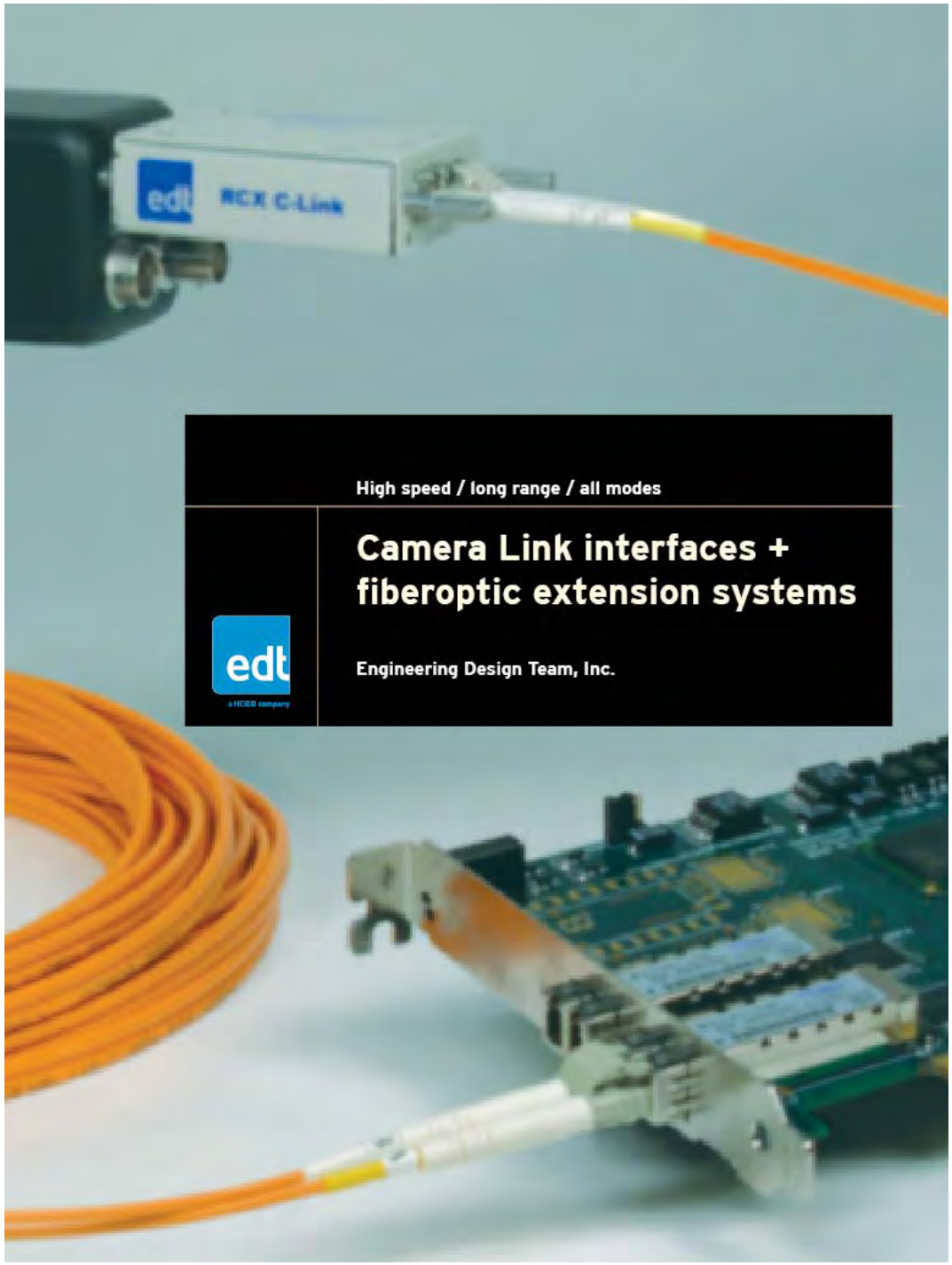


High speed / long range / all modes

Camera Link interfaces + fiberoptic extension systems

Engineering Design Team, Inc.

Innovative, proven solutions

for fiberoptic and standard Camera Link needs

Our unique fiberoptic products started it all.

We're still the first, and still the best. EDT created the first reliable **long-range solutions** for Camera Link and AIA. Our industry-leading fiberoptic (FOX) framegrabbers and remote camera extension (RCX) adapter support CCD and CMOS cameras up to ten kilometers from the host computer.

We cover common and uncommon systems.

We provide Camera Link framegrabbers for **PCI, PCI Express, PMC, and CompactPCI** on Windows, Linux, Solaris, Mac, and VxWorks operating systems. We offer base-, medium-, and full-mode options. And we support fiberoptic, Camera Link, and LVDS/RS422 technology.

We develop custom designs at your request.

Whether your design need is standard or specialized, just ask. We excel at creating **versatile, well-tested solutions** for our customers. We'd be happy to discuss any project you have in mind.

Unequaled customer support

from the engineers who created the products

We give generous engineer-to-engineer support.

Every product question we receive, whether by phone, web, or email, is answered personally **by the engineers who worked on developing the product**. For more in-depth support, we offer service contracts and other options. Whatever you need, we'll take care of you.

We include API, SDK, and multiple drivers.

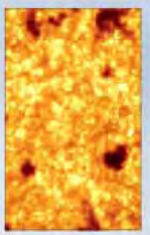
We provide, at no extra cost, a common application programming interface (API), a full software development kit (SDK), and driver packages for **Windows, Linux, Solaris, and Mac OS**. VxWorks drivers are available for an additional development fee.

We go the extra mile for our customers.

Since EDT's founding in 1987, our reputation for excellence has been built by our own satisfied customers. **Discover why they keep coming back** for our unique innovations and the best support you'll find anywhere.

All images below were generated by customers using EDT digital video products.

Astronomy
(Kiepenheuer Institute)



Solar imaging
(Kiepenheuer Institute)

Scanning
(Arizona State University)

Archiving
(U.S. National Archives)

Microscopy
(AMT Imaging)

Medical diagnostics
(AMT Imaging)

Applications range from aviation and archiving to traffic systems and security.

Aerial mapping
(DRA, Inc.)

Traffic monitoring
(DRA, Inc.)

Food inspection
(X-Scan Imaging)

Blemish inspection
(Arizona State University)

Manufacturing
(X-Scan Imaging)

Security
(X-Scan Imaging)

Our unique fiberoptic products have built-in solutions for long-range applications

Choose an EDT FOX or third-party framegrabber—then add EDT RCX adapters to send images up to 10 kilometers

Fiberoptic (FOX) framegrabbers

PCI DV FOX

- Works with PCI (32 bits, 66 MHz)
- Supports 1 medium- or up to 2 base-mode cameras via an EDT RCX adapter or EDT custom in-camera logic
- Allows remote camera operation (10 km from host)
- Provides electrical isolation of camera from host
- Delivers real-world data rates of up to 220 MB/s, dependent on host
- Supports region of interest, CC lines, triggering, and serial
- Sends image data directly to host via DMA
- Accepts images of any resolution

PMC DV FOX

- Works with PMC (32 bits, 66 MHz)
- Supports 1 medium- or up to 2 base-mode cameras via an EDT RCX adapter or EDT custom in-camera logic
- Allows remote camera operation (10 km from host)
- Provides electrical isolation of camera from host
- Delivers real-world data rates of up to 220 MB/s, dependent on host
- Supports region of interest, CC lines, triggering, and serial
- Sends image data directly to host via DMA
- Accepts images of any resolution

Remote Camera Extension (RCX) adapters

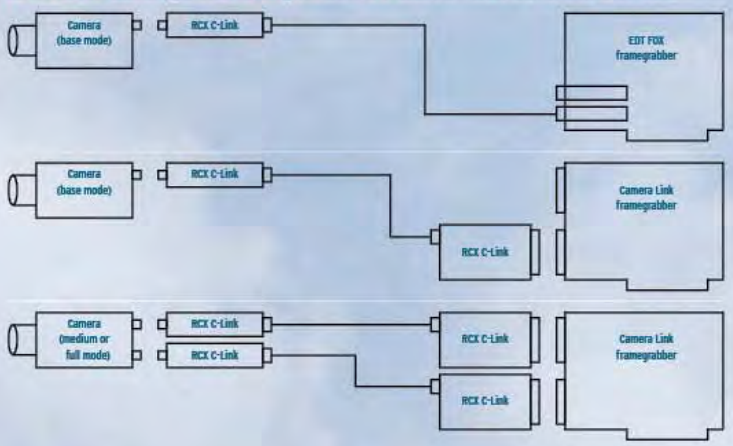
RCX C-Link

- Adapts Camera Link data to fiberoptic
- Allows remote camera operation (up to 10 km from host)
- Plugs into a camera directly, with no cabling
- Can be configured in pairs with any Camera Link frame-grabber, or singly with direct-from-fiber FOX series board
- Supports base, medium, or full mode
- Provides electrical isolation of camera from host
- Delivers real-world data rates of up to 240 MB/s (base mode) or 750 MB/s (full mode), dependent on host

RCX LVDS/RS422

- Adapts LVDS or RS422 (AIA format) data to fiberoptic
- Allows remote camera operation (up to 10 km from host)
- Has a 68-pin connector with cabling for various cameras
- Can be configured in pairs with any LVDS/RS422 frame-grabber, or singly with direct-from-fiber FOX series board
- Provides electrical isolation of camera from host
- Delivers real-world data rates of up to 125 MB/s, dependent on host

Below are a few of the many possible RCX configurations for one or more cameras in base, medium, or full mode.



Our Camera Link framegrabbers work with a wide range of platforms and modes

Choose a C-Link framegrabber alone for standard applications, or add RCX adapters for long-range needs

PCI and PCI Express framegrabbers

PCI DV C-Link

- Works with PCI (32 bits, 66 MHz)
- Supports 1 medium- or up to 2 base-mode cameras
- Delivers real-world data rates of up to 220 MB/s, dependent on host
- Supports region of interest, CC lines, triggering, and serial
- Sends image data directly to host via DMA
- Accepts images of any resolution

PCIe4 DV C-Link

- Works with PCI Express (4 lanes)
- Supports 1 medium- or up to 2 base-mode cameras
- Delivers real-world data rates of up to 220 MB/s, dependent on host
- Supports region of interest, CC lines, triggering, and serial
- Sends image data directly to host via DMA
- Accepts images of any resolution

PCIe8 DV C-Link

- Works with PCI Express (8 lanes)
- Supports 1 full-, 1 medium-, or up to 2 base-mode cameras
- Delivers real-world data rates of up to 1.4 GB/s, dependent on host
- Supports region of interest, CC lines, triggering, and serial
- Sends image data directly to host via DMA
- Accepts images of any resolution

PMC and cPCI framegrabbers

PMC DV C-Link

- Works with PMC (32 bits, 66 MHz)
- Supports 1 base-mode camera
- Delivers real-world data rates of up to 220 MB/s, dependent on host
- Supports region of interest, CC lines, triggering, and serial
- Accepts images of any resolution
- Sends image data directly to host via DMA

cPCI DV C-Link

- Works with CompactPCI 3U/6U (32 bits, 66MHz)
- Supports 1 medium- or up to 2 base-mode cameras
- Delivers real-world data rates of up to 220 MB/s, dependent on host
- Supports region of interest, CC lines, triggering, and serial
- Sends image data directly to host via DMA
- Accepts images of any resolution

Engineering Design Team, Inc.
1100 NW Compton Drive, Suite 306
Beaverton, Oregon 97006
800-435-4320 / 503-690-1234 (phone)
503-690-1243 (fax)
www.edt.com

20090100 008-03347-00