

## HITACHI Frame Grabber Information

Camera Link Cameras require a frame grabber to work with a computer. You will need to choose a frame grabber based on the type and number of Camera Link connectors on the camera. Some frame grabbers may also provide for communications with the camera, allowing the operator to change camera parameters from software.

### Camera Link Output Type Connectors

**CL** – original large Camera Link connector – power is supplied to the camera via an external connector

**SCL** – newer Small Camera Link connector found on the majority of cameras – power is supplied to the camera via an external connector, typically a 12 pin Hirose

**PoCL** – Power over Camera Link connector. Camera power is supplied via the PoCL connector

The camera may support Base, Medium, or Full versions of the Camera Link interface. Some cameras supporting Medium and Full Camera Link Modes can be run in Base Mode at reduced bit rates.

**Base Camera Link** – cameras supporting only Base Camera link have a single Camera Link connector for the output and handle 2.38Gb/s

**Medium Camera Link** – cameras supporting Medium Camera link always have two Camera Link connectors on the output and handle 4.76Gb/s

**Full Camera Link** – cameras supporting Full Camera Link always have two Camera Link connectors on the output and handle 7.14Gb/s

### Frame Grabber Manufacturers

**Active Silicon**  
17 Wilson St.  
Suite 13  
Chelmsford, MA 01824  
Phone: 978-244-0490  
Fax: 978-244-0491  
[www.activesilicon.com](http://www.activesilicon.com)

**Alacron Inc.**  
71 Spit Brook Road  
Suite 200  
Nashua, NH 03060  
Phone: 603-891-2750  
Fax: 603-891-2745  
[www.alacron.com](http://www.alacron.com)

**BitFlow, Inc.**  
400 W. Cummings Park  
Suite 5050  
Woburn, MA 01801  
Phone: 781-932-2900  
Fax: 781-933-9965  
[www.bitflow.com](http://www.bitflow.com)

**Teledyne Salsa Inc**  
605 McMurray Road  
Waterloo, Ontario  
Canada, N2V 2E9  
Phone: 514-333-1301  
Fax: 514-333-1388  
[www.teledynedalsa.com](http://www.teledynedalsa.com)

**Data Translation**  
100 Locke Drive  
Marlboro, MA 01752  
Phone: 508-481-3700  
Fax: 508-481-8620  
[www.datatranslation.com](http://www.datatranslation.com)

**dPict Imaging, Inc.**  
3815 River Crossing Parkway  
Suite 100  
Indianapolis, IN 46240  
Phone: 317-616-3800  
[www.dpictimaging.com](http://www.dpictimaging.com)

**EDT, Inc.****Engineering Design Team**

3423 NW John Olsen Place  
Hillsboro, OR 97124

Phone: 503-690-1234

Fax: 503-690-1234

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

**Epix, Inc.**

381 Lexington Drive  
Buffalo Grove, IL 60089

Phone: 847-465-1818

Fax: 847-465-1919

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

**Euresys**

500 Park Boulevard  
Suite 525

Itasca, IL 60143

Phone: 630-250-2300

Fax: 630-250-2301

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

**Foresight Imaging**

70 industrial Avenue  
Lowell, MA 01852

Phone: 978-458-4624

Fax: 978-458-5488

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

**ImageNation**

13555 SW Milikan Way  
Beverton, OR 97005

Phone: 503-495-2200

Fax: 503-495-2201

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

**Matrox**

1055 St. Regis Blvd.  
Dorval, Quebec

H9P 2T4 Canada

Phone: 514-685-2630

Fax: 514-685-2853

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

**National Instruments**

11500 N. Mopac Expressway  
Building C

Austin, TX 78759

Phone: 512-683-5364

Fax: 512-683-5501

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