

SPECIFICATIONS



CAMERAS FRAME GRABBERS IMAGING SOLUTIONS

VCE-CLPCle01



IMPERX FrameLink PCle x1 is a professional level video capture card that enables users to view and store in real time mega pixel video images from Camera Link sources onto desktop computers. IMPERX FrameLink PCle x1 is capable of capturing single or multiple frames and standard AVI clips on up to two Base or one Medium CameraLink compliant video source. Each captured frame can be stamped with a user message along with the date and time of capture. A full software suite that includes drivers, C/C++, SDK, and an application program is provided with each FrameLink VCE-CLPCle01 card.

Camera Link® PCle x1 Card for Desktop PCs

Simultaneous acquisition from two Base Camera Link cameras or one Medium Camera Link camera. Uses intelligent DMA for fast, efficient use of the ExpressCard bandwidth with a flow-through pipelined architecture for low latency.

Features

PCIe x1 lane providing 2.5 Gbps of bandwidth

Intelligent scatter/gather DMA for fast, efficient use of PCIe bandwidth

and system memory Built in CC pulse generators

Unique 'auto-learn' feature automatically recognizes camera

parameters and simplifies CAM file creation

Dynamic buffer allocation Selectable window sizes

Adjustable RGB brightness and auto white balance

Bayer pattern interpolation

Captures single, multiple frames or AVI clips

Normal or delay capture Date, time and text overlay

BMP, TIFF, RAW or adjustable JPEG file format

Image viewer with DVR controls

Many advanced features including look up tables, histograms, RGB

gain/offset with auto-white balance, hex pixel dump, etc.

Software Application program: Full featured, intuitive, easy to use GUI

Drivers: Win XP/2000/Vista/7/8, DirectX, Halcon, LabVIEW, Matlab

SDK: C/C++,COM, .NET, ActiveX - all with sample source code

Video Source Uses two mini-CL (SDR/HDR) connectors

Base: 24 video data bits plus strobes and clock per channel Medium: 48 video data bits plus strobes and clock per channel

4 camera control bits (CC1 to CC4) per channel

Bi-directional serial interface per channel

Video Format Base: 1x8, 2x8, 3x8, 1x10, 2x10, 1x12, 2x12, 1x14, 1x16

and 3x8 (RGB24)

Medium: 4x8, 3x10, 4x10, 3x12, 4x12, RGB30 and RGB36

Monochrome and color: RGB, Bayer and TRUESENSE Sparse CFA

Power 3.3V DC +/-5%, 500 mA steady

1.65W constant power

Environmental Operating temperature: -40°C to +85°C

Relative humidity: 90% non-condensing

MTBF >390,000 hours @ 50°C (MIL-STD-785B, MIL-HDBK-217F)

Regulatory FCC part 15, Class B, CE, RoHS
Mechanical Low profile PCI Express form factor

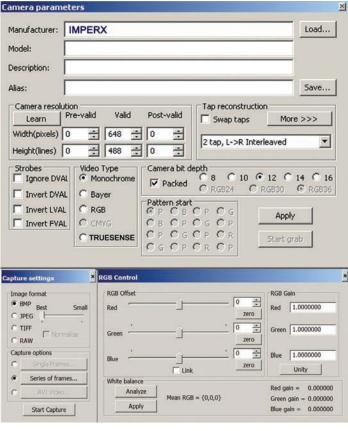
Weight 1.59 oz., 45g

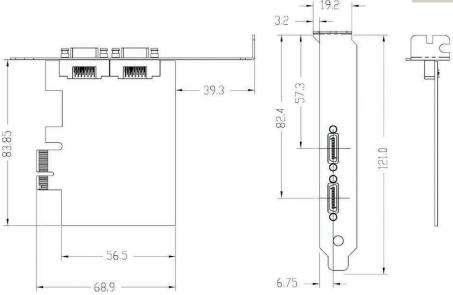




Order: VCE-CLPCle01

For specific details and ordering information, consult the FrameLink Express user's manual or contact SAIS at contact@sacasa.info





ALSO SUPPLIED WITH LOW PROFILE BRACKET

