FRAME GRABBERS

IMPERX™

SPECIFICATIONS

CAMERAS
FRAME GRABBERS
IMAGING SOLUTIONS

Analog ExpressCard/54 (Custom) for Laptops

VCE-ANEX02

Video acquisition from a single NTSC, PAL, SECAM or RS170 camera
Can switch between two S-Video or composite inputs
Auto NTSC / PAL format detection and automatic gain control are included
User specified cable lengths and terminating connectors

Features

    ExpressCard/54 compliant providing 2.5 Gbps of bandwidth
    NTSC, PAL, RS170 or SECAM real time video acquisition
    16 bit YCrCb 4:2:2, 4:4:4 or 24 bit RGB formatting
    Intelligent scatter/gather DMA for fast, efficient use of ExpressCard
        bandwidth and system memory
    Flow-through pipelined architecture for low latency
    External trigger input (TTL)
    On board color space conversion
    Dynamic buffer allocation
    Selectable window sizes
    Adjustable RGB brightness and auto white balance
    Programmable RGB look up tables and gamma correction
    Captures single, multiple frames or AVI clips
    Normal or delay capture
    Plug-and-play operation with hot insertion/removal
    RAW, BMP, TIFF or adjustable JPEG file format
    Image viewer with DVR controls
    Advanced features include histograms, RGB gain/offset with auto-white
        balance, hex pixel dump, look up tables, gamma correction

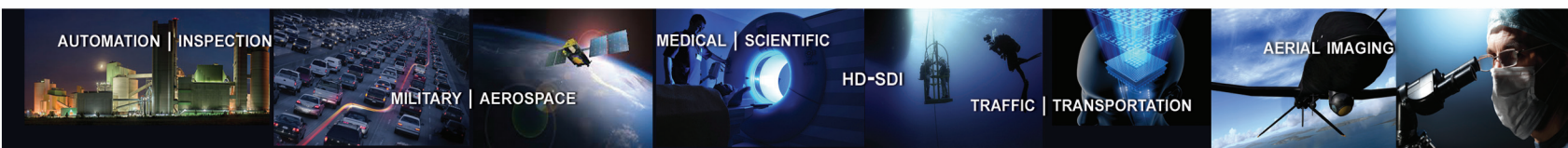|	
Software	Application program: Full featured, intuitive, easy to use GUI
	Drivers: Win XP/2000/Vista/7/8, DirectX, Halcon, LabVIEW, Matlab
	SDK: C/C++,COM, .NET, ActiveX - all with sample source code
Video Source	2 Composite or S-Video inputs
	NTSC, PAL (B, D, G, H, I, M, N), RS170 and SECAM
	Auto NTSC/PAL format detection
	Automatic gain control
	User specified cable lengths and terminating connectors
Power	3.3V DC +/-5%, 500 mA steady
	1.65W constant power
Environmental	Operating temperature: 0°C to 65°C
	Relative humidity: 90% non-condensing
MTBF	>330,000 hours @ 50°C
Regulatory	FCC part 15, Class B, CE, RoHS
Mechanical	Express Card/54 form factor
	Weight 1.91 oz., 47g

IMPERX VCE ExpressCard/54 Custom is a state of the art video capture card that enables users to view and store images in real time from any standard analog video source onto laptop computers. The VCE ExpressCard/54 Custom is capable of capturing single or multiple frames and standard AVI clips from NTSC, PAL, RS170 or SECAM compliant video sources. An external triggering option allows users to qualify image capture based on external events. Each captured frame can be stamped with a user message along with the date and time of capture. A specially designed image viewer provides the flexibility to view, scroll or step through the recorded images. IMPERX VCE Express/54 Custom features a flow-through pipelined architecture with an intelligent scatter/gather DMA engine providing over 235 Mbytes per second of throughput. A full software suite, including drivers, an application program and SDK, is provided with the card.

AUTOMATION | INSPECTION   MEDICAL | SCIENTIFIC   AERIAL IMAGING
MILITARY | AEROSPACE   HD-SDI   TRAFFIC | TRANSPORTATION

IMPERX™

Order: VCE-ANEX02-Custom

Custom Ordering Options

Number of inputs:	Up to two composite inputs and/or up to two S-Video inputs
	One trigger input
Cable length:	10cm, 50cm, 100cm, and user defined
Connector type:	BNC(B), RCA(R), SMA(S), S-Video(V)
Connector gender:	Male or female

For specific details and ordering information, consult the VCE Express user's manual

CABLES NOT SHOWN

ExpressCard