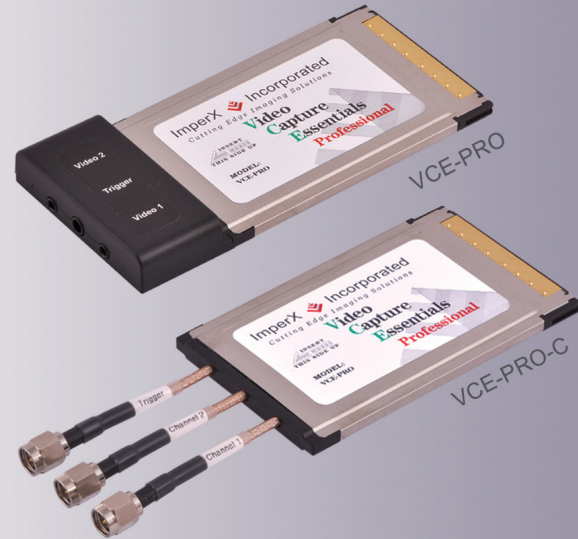


IMPERX

FRAME GRABBERS



PCMCIA Analog Frame Grabbers For laptops



Cardbus Video Capture Card (VCE-PRO)

Cardbus Video Capture Card (VCE-PRO-Custom)

User specified cable lengths and terminating connectors

Acquisition from a single NTSC, PAL, SECAM, or RS170 camera

Includes support for external trigger input

Can switch between two S Video or composite inputs

IMPERX VCE-PRO professional PCMCIA CardBus video capture cards allow users to display, capture, store and preview full motion video on laptop computers. The VCE-PROs can capture single or multiple frames and standard AVI clips from any NTSC, PAL, SECAM or RS170 video source. A built in capture delay function enables users to program IMPERX VCE-PRO cards to record event sequences for playback at later dates/times. Each captured frame can be stamped with a user message along with the date/time of capture. A specially designed image viewer provides the flexibility to view, scroll or step through the recorded images. IMPERX VCE-PRO PCMCIA CardBus frame grabbers come with easy to use camera configuration software for fast integration into demanding machine vision environments.

PCMCIA Cardbus interface

Small form factor PCMCIA Type II card

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

On-board memory for fast image acquisition



APPLICATIONS

Aerial Mapping
Aerial Robots: Military, Police
Aerospace
Agriculture
Automation

Automotive
Biometrics
Broadcasting
Printed Circuit Board (PCB)
Electronics
Energy/Solar/Wind Power

Flat Panel Inspection
Food/Beverage
Homeland Security
Law Enforcement
Intelligent Traffic Systems (ITS)
Medical Devices/Imaging

Metrology
Microscopy
Military/Defense
Pharmaceuticals
Particle Image Velocimetry (PIV)
Radiology

Robotics
Scientific Apps
Surveillance
Semiconductors
Transportation
Textile/Apparel

Cardbus Video Capture Cards VCE-PRO / VCE-PRO-C Specifications

Features

- PCMCIA Cardbus 8.0 compliant
- 32-bit bus operating at 33MHz
- Intelligent scatter/gather DMA
- 256 Mbits onboard memory (two banks)
- Plug-and-play with hot insertion and removal
- Fast video capture - up to 30 fps
- Selectable window sizes
- Adjustable brightness, contrast, hue and saturation
- Captures single/ multiple frames or AVI clips
- Normal or delay capture
- Date, time and text overlay
- BMP or adjustable JPEG file format
- Image viewer with DVR controls
- External trigger input
- 16-bit YCrCb (4:2:2) digital output

Video Source

- 2 composite or 2 S Video inputs
- NTSC, PAL (B,D,G,H,I,M,N), SECAM & RS170
- Auto NTSC/PAL format detection
- Automatic gain control

Regulatory

FCC 15 part B, CE, RoHS

Software

Application program: Full featured, easy use GUI image viewer
 Drivers: Win 7/2000/XP/Vista 32 bit, DirectX, Labview, TWAN
 DLL based SDK: C/C++, VB—all with sample source code

Power

3.3V DC +/-5%, 160 mA steady, 360 mA inrush
 0.5W constant power

Environmental

Operating temperature: 0°C to 65°C
 Relative humidity: 90% non-condensing

Mechanical

VCE-PRO: 4.5 x 2.1 x 0.2" (115 x 54 x 5mm)
 Weight: 1.25 oz, 35g
 VCE-PRO-C: 4.5 x 2.1 x 0.2" (115 x 54 x 5mm)
 Weight:

Custom Ordering Options

Number of inputs: Single video input (composite)
 Dual video input (composite)
 Single video input and trigger

Cable length: 10cm, 50cm, 100cm, and user defined

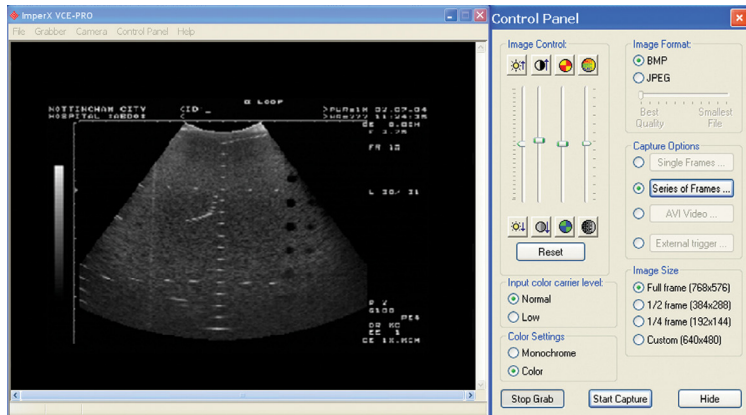
Connector type: BNC(B), RCA(R), SMA(S), S Video(V)

Connector gender: Male or female

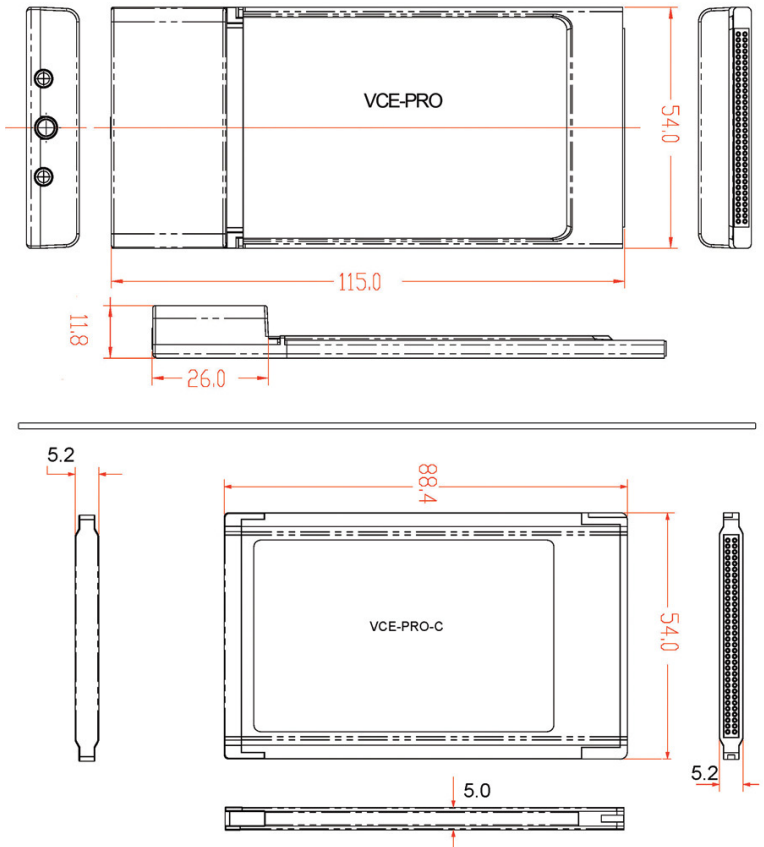
Order: VCE-PRO or VCE-PRO-C

For specific details and ordering information, consult the CardBus user's manual or contact IMPERX at sales@imperx.com.

Software



Mechanical Dimensions



IMPERX | 6421 Congress Avenue | Boca Raton | FL 33487 | USA
 Phone: +1-561-989-0006 | 1-866-849-1662 | Fax: +1-561-989-0045
 www.imperx.com | sales@imperx.com

