

# VCE-PRO-Custom

## PCMCIA Analog Card for Laptops

*CardBus Video Capture Card with user specified cable lengths and terminating connectors*



**IMPERX VCE-PRO-C** PCMCIA CardBus video capture card allows users to display, capture, store and preview full motion video on laptop computers. The VCE-PRO-C 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 the IMPERX VCE-PRO-C frame grabber 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-C PCMCIA CardBus frame grabber comes with easy to use camera configuration software for fast integration into demanding machine vision environments.

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

- PCMCIA CardBus 8.0 compliant
  - Small form factor PCMCIA Type II card
  - Intelligent scatter/gather DMA for fast, efficient use of PCI bus bandwidth
  - 16-bit YCrCb (4:2:2) digital output
  - On-board memory for fast image acquisition
  - External trigger input (TTL)
  - 32-bit bus operating at 33MHz
  - 256 Mbits onboard memory (two banks)
  - 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
  - Plug-and-play with hot insertion and removal
- Software**
- Application program: Full featured, intuitive, easy to use GUI
  - Drivers: Win 7/2000/XP/Vista 32 bit, DirectX, LabVIEW, TWAIN, WDM  
DLL based (No 64bit support)
  - SDK: C/C++, VB—all with sample source code

### Video Source

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

### Power Environmental

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

VCE-PRO-C: 4.5 x 2.1 x 0.2" (115 x 54 x 5mm)





**Custom ordering options for VCE-PRO-C:**

- 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 PRO** user's manual or contact IMPERX at sales@imperx.com.

