



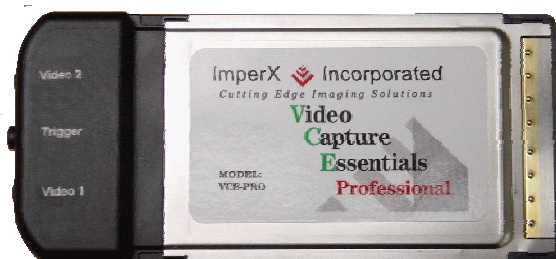
**Video Capture Essentials™**

## VCE Professional

### Fast Analog CardBus Video Capture Card Frame Grabber Specifications

VCE-PRO is a low cost, full frame, high performance, plug and play CardBus video capture card. It allows users to display, capture, store, and preview full motion video (30 frames per second at full - VGA or higher resolution) on their notebook computers. VCE-PRO is capable of capturing single frame, multiple frames, and standard AVI clips from a variety of NTSC, PAL or SECAM sources. A built in capture delay function enables users to program their card to record sequences of events at later dates and times. An external triggering option allows for easy implementation of the card into demanding machine vision environments. Each captured frame can be stamped with a user message along with the date and time of capture. These unique features allow users to turn their notebooks into a mobile observation system. A specially designed image viewer gives the users flexibility to view, scroll or step through the recorded images. Our Software Development Kit (optional) is a DLL based software development platform supporting C++ and VB. Easy to follow examples provide for fast implementation of custom applications.

**VCE-PRO**



**VCE-PRO-F ( flat version )**



#### Frame Grabber Features

PC card cardbus 8.0

Plug-and-play

Hot insertion and removal

2 Composite or 2 SVideo inputs with anti-alias filters and one external trigger input

Fast video capture with selectable window sizes:

- 640 x 480 pixels @ 30fps
- 320 x 240 pixels @ 30fps
- 160 x 120 pixels @ 30fps

Adjustable image brightness, contrast, saturation and hue

24 bit RGB, 24 bit Grayscale or 8 bit Grayscale display options

Captures single frames, multiple frames and standard AVI clips:

- Adjustable frame rates
- Programmable capture delay up to 60 minutes
- Programmable date and time recording
- BMP and adjustable compression JPEG file formats
- Date and Time stamp options
- Text overlay options

Image viewer with play, stop, pause, fast forward, reverse, step up, and step back options.

<b>Video Source Specifications</b>
Composite or S-Video
Square pixel and CCIR601 resolution for: <ul style="list-style-type: none"> <li>• NTSC</li> <li>• PAL (B, D, G, H, I, M, N)</li> <li>• SECAM</li> </ul>
Auto NTSC/PAL format detection
Automatic gain control
16 bit YCrCb (4:2:2) digital output
<b>Physical Dimensions</b>
PCMCIA Type II: 85mm(3.3in) x 54mm(2.1in) x 5mm(.2in)
Weight: 35 grams (1.25 oz)
<b>Electrical Characteristics</b>
Operating voltage: 3.3V +/- 5%
Operating current: 160mA
Inrush current: 350mA
<b>Operating System</b>
Windows 2000 and XP
<b>Operating Environment</b>
Operating temperature: 0°C to 65°C
Relative humidity: 90% noncondensing
<b>Included in Package</b>
<ul style="list-style-type: none"> <li>• Frame Grabber card</li> <li>• Phono-jack to SVideo Cable ( for VCE-PRO )</li> <li>• 15 pin connector to SVideo Cable ( for VCE-PRO-F )</li> <li>• SVideo to RCA adapter Cable</li> <li>• CD ROM with VCE-PRO standard application and Win 2000/XP drivers</li> <li>• User's manual</li> <li>• Quick start guide and warranty information</li> </ul>

Imperx Incorporated • 6421 Congress Avenue, Suite 204, Boca Raton, FL 33487 USA  
Phone: 1-561-989-0006 • Fax: 1-561-989-0045 • [www.imperx.com](http://www.imperx.com) • [info@imperx.com](mailto:info@imperx.com)