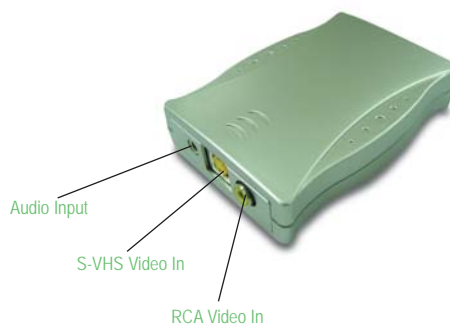


## E-326CH USB Video Framegrabber with Audio Support

The **E-326CH** is a low cost USB 2 video framegrabber for notebooks or desktop computers. It features one video and one audio input with synchronised audio and video capture. Video can be captured as a still frame or in compressed video format such as AVI or MPEG.

The E-326CH is the ideal companion for use with a notebook and can be used for making digital home videos or for any application requiring still image capture.

Included with the unit is a ready-to-use video editing software program, as well as a software developer's kit. The editing package allows standard playback of digitised video or viewing live video. For software programmers, the SDK allows one to write custom applications in C/C++. Examples and source code are provided for this.



- ⊕ USB 2.0 Plug-and-play
- ⊕ **Video Input:** 1 x Composite Video (RCA) / 1 x S-Video (Mini-Din)
- ⊕ **Audio Input:** 1 x Audio in (3.5mm stereo jack)
- ⊕ Audio capture with A/V Sync function
- ⊕ Supports PAL/NTSC & SECAM Video
- ⊕ **Resolution:** Up to 720x576
- ⊕ Framerate: Max 25fps
- ⊕ Saturation/Contrast/Hue/Brightness adjustment
- ⊕ Capture video as AVI / MPEG1 / MPEG2 / MPEG4
- ⊕ Snap Shot function
- ⊕ Includes MPEG video editing software
- ⊕ O/S: Windows 98, ME, 2000 and XP

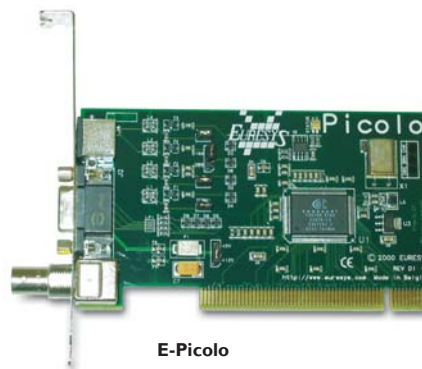
| MODEL   | Description               |
|---------|---------------------------|
| E-326CH | PCMCIA Video Framegrabber |

## E-Piccolo Professional PCI Video Framegrabbers

The **E-Piccolo** and **E-Piccolo-Pro2** are PCI color video framegrabbers for professional video capture applications.

They support the acquisition and the real-time transfer of full resolution colour images or sequences of images to PC memory. One is able to capture composite video or S-Video signals at a maximum of 768 x 576 resolution at a full framerate of 25 fps. Other features include digital inputs and outputs for triggering purposes. The E-Piccolo is the ideal framegrabber for applications including Section & id-card production.

A software developer's kit called the Multi-Cam is provided free of charge with each E-Piccolo board allowing the user to write his own custom applications. We are also able to recommend a TWAIN compatible driver, allowing images to be captured directly into popular imaging programs such as PhotoShop or CorelDraw.



E-Piccolo

- ⊕ One Video Input (E-Piccolo)
- ⊕ Four Video Inputs (E-Piccolo-Pro2)
- ⊕ 25fps Total Capture Speed
- ⊕ 4 TTL I/O lines (1 configurable as an external trigger)
- ⊕ Connectors: BNC (Video), DB-9 (TTL I/O) , Mini-Din (S-Video)
- ⊕ Software Developer's Kit Included



E-Piccolo-Pro2

| MODEL          | Description                              |
|----------------|--|
| E-Piccolo      | 1 Channel PCI Framegrabber               |
| E-Piccolo-Pro2 | 4 Channel PCI Framegrabber (25fps total) |

**E-FLASHPOINT-4XL**

*Advanced Video Framegrabber - Onboard Graphics Controller*

The new **E-FlashPoint-4XL** series of video framegrabbers are designed for medium to high end video imaging applications. Two models are currently available, a **PRO** and a **LITE** version. The **PRO** model features several advanced functions as well as more inputs. Both provide high-quality video capture with extensive software control via an SDK.

**INTEGRATED 3D GRAPHICS ACCELERATOR**

These framegrabbers utilise a 143 MHz, 128-bit 3D graphics accelerator with 16 MB of local SGRAM for image capture and display. The newly designed PC host bus interface works with either 3.3V or 5V tolerant PCI slots, and is also available in AGP 4X format. Display resolutions of up to 1600x1200 with refresh rates up to 100 Hz in 8, 16, and 32 bit/pixel are supported.

**NON-DESTRUCTIVE OVERLAY SUPPORT**

The E-FLASHPOINT-4XL supports non-destructive overlay of text and graphics on live video. This enables applications that require graphics overlays to be displayed on live video while the underlying video is cleanly captured or displayed.

**VIDEO INPUT**

With the E-FLASHPOINT-4XL-PRO one is able to capture from up to 4 component RGB or YCrCb, 8 S-Video, or 16 composite video inputs in either NTSC or PAL formats. The E-FLASHPOINT-4XL is able to

capture from up to 3 composite video or monochrome inputs or one S-Video input in either NTSC or PAL formats. Video is displayed in a fully resizable window with smooth interpolated scaling capabilities for arbitrary overlay sizes up to 1280x1024.

**VIDEO OUTPUT**

The E-FlashPoint-4xl-Pro allows for simultaneous display of VGA and video outputs by incorporating an on-board scan-converter. Video output is selectable between RGB or YCrCb component, S-Video, or composite video in both NTSC or PAL formats. The entire desktop, a programmable region of interest, or the live video overlay can be selected.

**PROGRAMMABLE CONTROL**

User control of brightness, contrast, saturation, and sharpness is independent between camera inputs. Video compression and switching parameters can be programmed to be associated with alarm inputs, so that increased quality or frame rate can be obtained during an alarm event. The PRO model also features a fused and switchable 12 volt power supply, camera control via RS232 interface and an on-board microprocessor to guarantee accurate synchronization and robust triggering without relying on the host CPU.

**Features**

|                                   |   |                                     |
|-----------------------------------|---|-------------------------------------|
| <b>Bus Format:</b>                | AGP 1x, 2x, and 4x compliant or PCI 2.2 compliant, 5V and 3.3V universal slot   |                                     |
| <b>Video Input:</b>               | <b>(PRO model)</b>  | <b>(LITE model)</b>                 |
|                                   | 4 RGB or YCrCb component inputs   | 3 composite/monochrome video inputs |
|                                   | 8 S-Video inputs  | One S-Video color input             |
|                                   | 16 composite inputs   |                                     |
|                                   | Video expansion header  |                                     |
| <b>Video Standards Supported:</b> | <b>(PRO model)</b>  | <b>(LITE model)</b>                 |
|                                   | NTSC M, NTSC N, NTSC 4.43, NTSC-Japan,  | PAL/NTSC                            |
|                                   | SECAM, PAL BGDHI, PAL N, and  |                                     |
|                                   | PAL M format support  |                                     |
|                                   | ITU-601 digitization  |                                     |
| <b>Video Output:</b>              | <b>(PRO model only)</b>   |                                     |
|                                   | Composite, S-Video, and component video output in NTSC/PAL formats with Programmable region of interest, overlay, or desktop output   |                                     |
| <b>Video Scaling:</b>             | High-quality still frame image capture<br>Smooth interpolated scaling   |                                     |
|                                   | Support for hardware pan and zoom up to 4 to 1  |                                     |
| <b>I/O Control:</b>               | Optically isolated output trigger for flash interface<br>1 general purpose TTL input trigger<br>2 general purpose TTL output triggers (1 for LITE model)  |                                     |
| <b>External Control:</b>          | <b>(PRO model only)</b>   |                                     |
|                                   | On-board microcontroller<br>RS-232 control<br>Camera exposure control<br>Programmable DAC output (0V-10V)<br>12-volt DC output for camera power supply (fused at .75 amp)   |                                     |
| <b>Included Software:</b>         | Windows 9x, NT 4.0, 2000, and XP display drivers<br>Windows MCI and Video for Windows drivers<br>DirectDraw support<br>TWAIN driver   |                                     |
| <b>Software Developer's Kit:</b>  | Windows-based FPG video capture application<br>Windows 9x/ME/NT 4.0/2000/XP dlls<br>Linux driver (kernel version 2.4)<br>Sample applications with source code<br>FBG application with source code<br>Comprehensive SDK manual<br>Visual BASIC support<br>Windows Video for Windows drivers<br>Full compatibility with FlashPoint 3Dx family |                                     |



PRO Model



LITE Model