

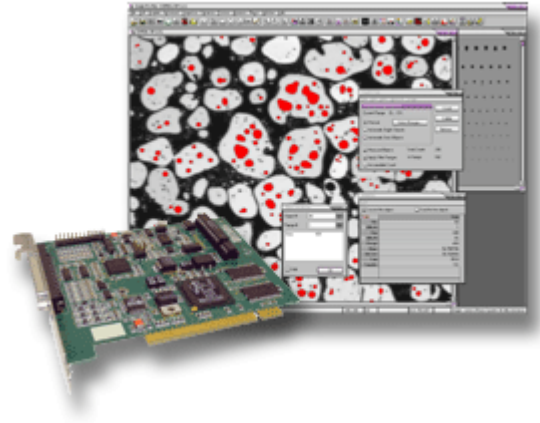
Spectrim Kits

Analog Frame Grabber Kits for Image-Pro[®] Plus and Image-Pro[®] Express

Overview

The Spectrim Kits are the ideal solutions for anyone involved in electronic imaging who wants to simplify the purchase and integration of imaging software and hardware components. These kits include a frame grabber (PCI only), acquisition software, an interface cable, and complete hard-copy documentation. A variety of different camera inputs can be processed by each card.

The Pro-Series Spectrim kit includes a Spectrim Pro video card that works effortlessly with Image-Pro Plus. This combination allows you an extensive array of configurations and flexibility with your imaging system. For more routine analyses, the Express-Series Spectrim Lite kit is available. It includes a Spectrim Lite frame grabber capable of decoding and displaying commonly used video standards and signal formats and is compatible with Image-Pro Express.



The cards in each kit are non-VGA frame grabbers. The benefit is that you are not forced to use an alternative VGA. Because the capture cards consist of only a frame grabber, you have more choices for video display. Using a capture kit means you may use the built-in display capabilities of their computer or add a display card of their choice instead of relying on a potentially limiting VGA.

Spectrim Kit Features:

- Image-Pro family driver. Additionally requires an Image-Pro family application
- Real time image acquisition to host memory
- Mouse control of brightness and contrast or hue and saturation in Live Preview
- Support for external trigger(s)
- Image over-saturation warning feature
- Ability to set on-chip integration by either the number of frames or by time
- NTSC and PAL compatible
- Video is displayed full screen or in a resizable video window
- Live video in all signals displayed directly on the Windows display
- Integrated VGA from 640 x 480 (768 X 576 for PAL) up to 1600 X 1200
- Full CPU and software compatibility with PCI computers using Intel Pentium processors
- CE approved

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Spectrim Kit Specifications		
	Pro-Series Spectrim Kit	Express-Series Spectrim Lite Kit
Compatible Software	Image-Pro Plus	Image-Pro Express
Video Inputs	16 Composite, 2 RS170, 1 RGB, 8 S-video	S-Video or BNC Connector, 3 Composite, 1 S-video
Video Input Cable	Video Input Cable Standard RGB, Composite, S-Video, RS 170	Composite
Video Decoder	NTSC, PAL, RGB, Composite, S-Video, YUV	NTSC, PAL, Composite, S-Video
Genlocks to..	Any NTSC or PAL Video Source	N/A
Digitizing	8/15/16/24-bit	8/15/16/24-bit
I/O	2 output triggers for flash interface, 8 TTL input triggers, 8 TTL output triggers	1 output trigger for flash interface, 1 TTL input trigger, 1 TTL output trigger
RGB Video Pixel Format	32,000-16.7 million colors, 256 monochrome	32,000-16.7 million colors, 256 monochrome
Video Throughput Performance	Full size, full speed video delivery to and from system of VGA memory	Full size, full speed video delivery to and from system of VGA memory
Video Scaling Processor	Still Frame Video Capture. Supports interpolation. Hardware cropping supported.	Still Frame Video Capture. Supports interpolation. Hardware cropping supported.
Video Output Display	NTSC-640x480; PAL-768x576 24/16/15-bit video displayed on up to 1600x1200 VGA	NTSC-640x480 PAL-768x576 24/16/15-bit video displayed on up to 1600x1200 VGA
On-chip Integration	Yes	No
RAM Buffer Streaming	Yes	No
Automatic Video Input Detection	Yes	No
Camera Control Using Serial Port	Yes	No

Software Support:

- Windows 2000 and XP

Video Input Cable:

- Standard RGB, Composite, S-video and RS170 cables
- Optional I/O header cables and connector brackets
- Custom cables and connector pinout available upon request
- Complete camera and external device controls



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