FRAME GRABBERS

SPECIFICATIONS

IMPERX

CAMERAS
FRAME GRABBERS
IMAGING SOLUTIONS

VCE-HDEX03

HD-SDI ExpressCard/54 for Laptops

Acquisition from an SD or HD-SDI video source.
Advanced features: Look up tables, histograms, RGB gain/offset with auto-white balance...

IMPERX HD-SDI ExpressCard/54 is a professional level ExpressCard video capture card that enables users to view and store in real time mega pixel video images from any standard HD-SDI video source onto laptop computers. IMPERX HD-SDI ExpressCard/54 is capable of capturing single or multiple frames and standard AVI clips from any SD or HD-SDI compliant video source. Each captured frame can be stamped with a user message along with the date and time of capture. A full software suite that includes drivers, C/C++, SDK, and an application program is provided with each IMPERX HD-SDI ExpressCard/54 VCE-HDEX03 card.

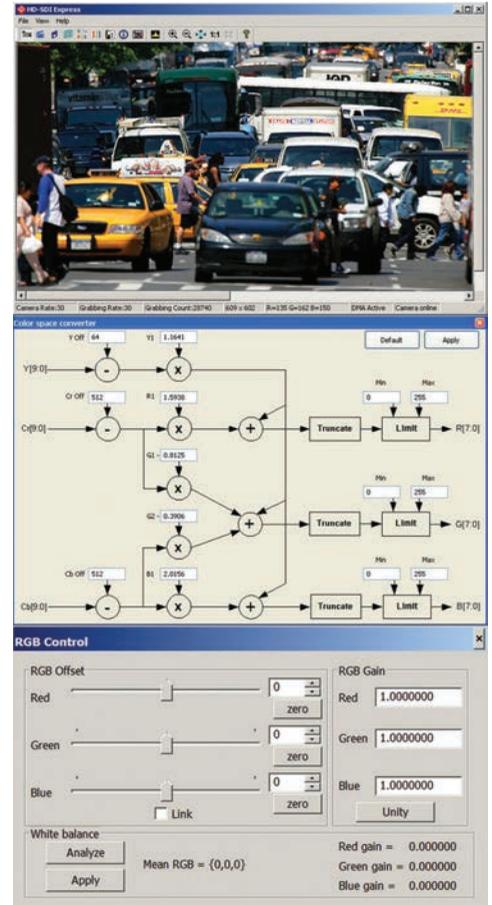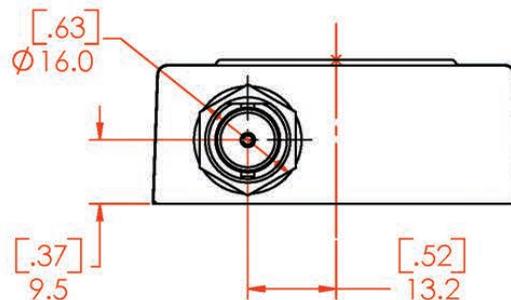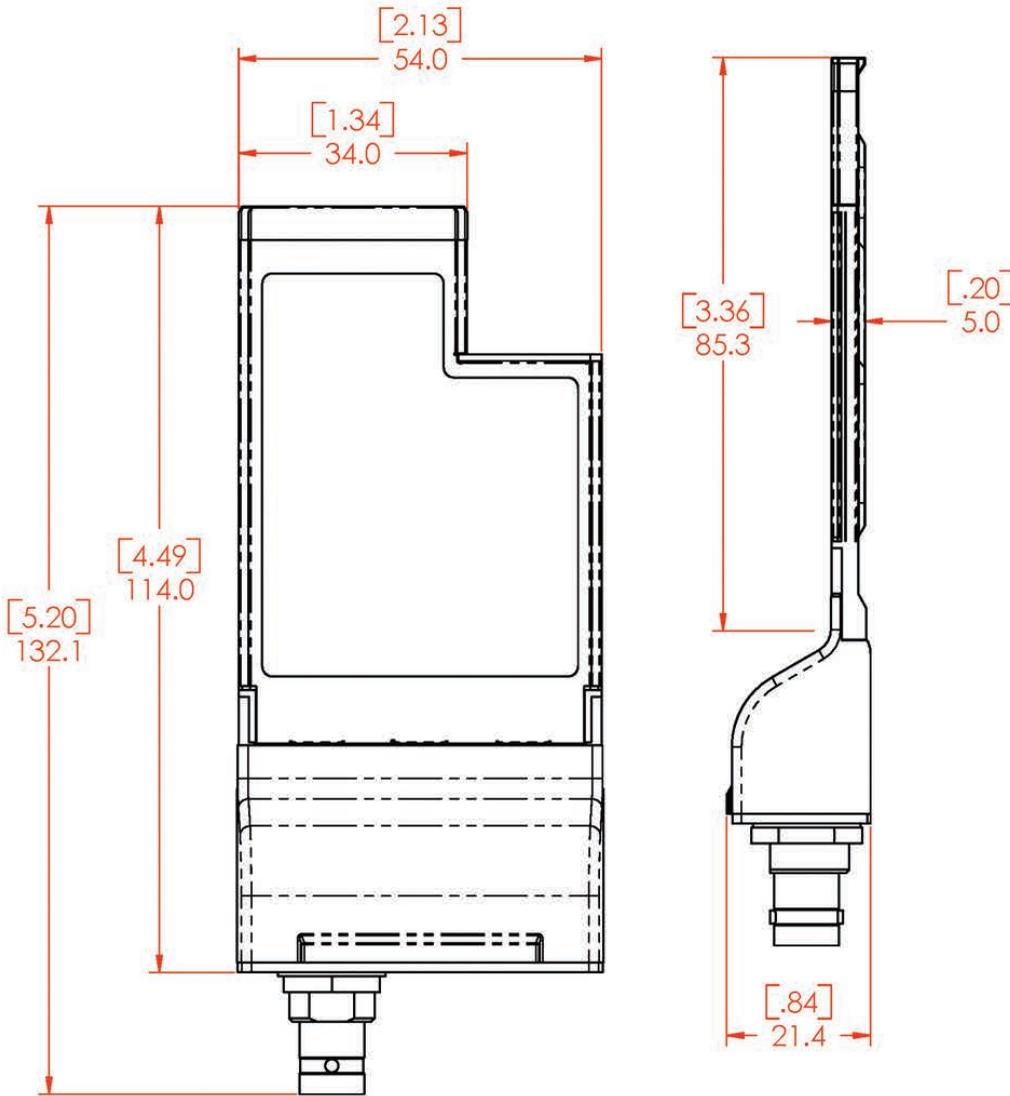|	
Features	
	ExpressCard/54 compliant providing 2.5 Gbps of bandwidth
	Supports SD and HD-SDI formats for 720p, 1080i and 1080p video
	Supports SMPTE 292M serial interface and SMPTE 274M/296M framing
	Audio acquisition of two 24 bit channels @ 48KHz
	16/20 bit YCrCb 4:2:2 or 24-bit RGB formatting
	Intelligent scatter/gather DMA for fast, efficient use of ExpressCard bandwidth and system memory
	Flow-through pipelined architecture for low latency
	On board color space conversion
	Dynamic buffer allocation
	Selectable window sizes
	Adjustable RGB brightness and auto white balance
	Programmable RGB lookup tables and gamma correction
	Captures single, multiple frames or AVI clips
	Normal or delay capture
	Date, time and text overlay
	RAW, BMP, TIFF or adjustable JPEG file format
	Image viewer with DVR controls
	Plug-and-Play operation with hot insertion/removal
	Many advanced features including look up tables, histograms, RGB gain/ offset with auto-white balance, hex pixel dump, gamma correction
Software	Application program: Full featured, intuitive, easy to use GUI
	Drivers: Win XP/2000/Vista/7/8, DirectX, Halcon, Adobe Premiere, Matlab
	SDK: C/C++,COM, .NET, ActiveX - all with sample source code
Video Source	75 ohm BNC coaxial connector
	Analog SMPTE 292M serial interface operating at 1.485 Gbps SMPTE 274M and SMPTE 296M framing
Power	3.3V DC +/-5%, 500 mA steady
	1.65W constant power
Environmental	Operating temperature: -40°C to +85°C
	Relative humidity: 90% non-condensing
MTBF	>372,000 hours @ 50°C (MIL-STD-785B, MIL-HDBK-217F)
Regulatory	FCC part 15, Class B, CE, RoHS
Mechanical	Express Card/54 form factor
	Weight 2.2 oz., 61g

IMPERX

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Order: VCE-HDEX03

For specific details and ordering information, consult the HD-SDI
Express user's manual or contact SAIS at contact@sacasa.info

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54.0

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13.2

ExpressCard

VCE-HDEX03, Rev 2