

All prices are in U.S. Dollars and are F.O.B. Las Vegas, NV (U.S.A.). All products come with documentation and our 2 year warranty.

Adrienne Electronics Corporation

TIME CODE & CAPTION READER BOARDS FOR PCI-EXPRESS (PCIe-TC), PCI (PCI-TC), USB (USB-TC) AND SERIAL COMPUTER INTERFACES

Plug and Play Products Ordering Guide

			STANDARD CAPABILITIES											OPTIONS (additional \$)								
			1/10th to 80x, simultaneous time and user bits, DF/NDF, 24/25/30 FPS rates	-24/25/30 FPS output, freerun or sync to video	Video Sync detection - NTSC/PAL (composite video)	Video Sync detection - tri-level sync pulses including 720p/1080i	Bidirectional, -1x to +3x, simultaneous time and user bits, DF/NDF, automatic or programmable VITC line section	Keys VITC over desired video lines	LTC reader time code regenerated by LTC generator	LTC time code reader data generated by VITC generator	VITC time code reader data generated by LTC generator	Line 21 video closed captioning decoder/reader - reads CC data / XDS / V-Chip	Reads all IRIG data including time-of-day, day-of-year, straight binary seconds (used by aerospace industry)	Time code status indicator (Green LED viewable on bracket)	RS-232 & RS-422 serial port, NOT COM port compatible, intelligent, TX/RX buffering, includes On Screen Display, window burn (see the time code data as overlay on a NTSC/PAL video)	General Purpose Input/Output lines, up to four each	BNC connector for the LTC input (instead of default RCA)	BNC connectors for LTC input & output (instead of default RCA connectors)	Miniature XLR connector for the LTC input (instead of default RCA) Comes with mating plug	Miniature XLR connector for the LTC input & output (instead of default RCA). Comes with mating plug.	Low profile (half height) bracket instead of standard full height bracket	
Model / Model#	PRICE	LTC Reader	LTC Generator	NTSC/PAL Sync	Tri-Level Sync	VITC Reader	VITC Generator	LTC to LTC	LTC to VITC	VITC to LTC	Line 21 Reader	IRIG-B Reader	Status LED	(\$80)	(\$100)	(\$40-100)	(\$5.50)	(\$11)	(\$22.50)	(\$45)	(n/c)	
														SERIAL	OSD	GPIO	LTC input BNC	LTC in&out BNC	LTC input mini-XLR	LTC in&out mini-XLR	LOWB	
PCI Express Interface (x1)	PCIe-LTC/RDR	\$335	✓										✓			✓	✓		✓		✓	
	PCIe-LTC/RGA	\$495	✓	✓	✓	✓		✓					✓			✓		✓		✓	✓	
	PCIe-VLTC/RDA	\$475	✓		✓	✓	✓				✓		✓			✓	✓		✓		✓	
	PCIe-VLTC/RG2	\$605	✓	✓	✓	✓	✓	✓		✓	✓		✓			✓		✓		✓	✓	
PCI Interface (PCI-X compatible)	PCI-LTC/RDR	\$325	✓											✓	✓		✓		✓			
	PCI-LTC/GEN	\$380		✓	✓									✓	✓			✓		✓		
	PCI-LTC/RG1	\$485	✓	✓	✓			✓						✓	✓			✓		✓		
	PCI-VITC/RDR	\$360			✓		✓							✓	✓					✓		
	PCI-VITC/GEN	\$380			✓									✓	✓					✓		
	PCI-VITC/RG1	\$485			✓		✓							✓	✓					✓		
	PCI-VLTC/RDR	\$465	✓		✓		✓							✓	✓		✓		✓			
	PCI-VLTC/GEN	\$485			✓									✓	✓					✓		
	PCI-VLTC/RG3	\$585	✓	✓	✓		✓							✓	✓		✓		✓			
	PCI-VLTC/RG2	\$585	✓	✓	✓		✓							✓	✓			✓		✓		
	PCI-VLTC/RG1	\$695	✓	✓	✓		✓		✓	✓	✓			✓	✓			✓		✓	✓	
	PCI-21/RDR	\$325										✓			✓	✓						
	PCI-21L/RDR	\$395	✓									✓			✓	✓		✓		✓		
	PCI-21L/RG1	\$520	✓	✓	✓				✓			✓			✓	✓			✓		✓	
	PCI-21V/RDR	\$395			✓		✓					✓			✓	✓			✓		✓	
	PCI-21V/RG1	\$520			✓		✓					✓			✓	✓			✓		✓	
PCI-21VL/RDR	\$500	✓		✓		✓					✓			✓	✓		✓		✓			
PCI-21VL/RG1	\$725	✓	✓	✓		✓		✓	✓	✓	✓			✓	✓		✓		✓	✓		
USB Interface	USB-LTC/RDR	\$325	✓														standard					
	USB-21VL/RDR	\$485	✓		✓		✓				✓						standard					
	USB-IRIG/RDR	\$405										✓										
SERIAL	AEC-uBOX-2	\$395	* ✓														standard					

* (Reads -Play Speed LTC only)

Adrienne, AEC, PCIeSDV-TC, PCIe-TC, PCIe-LTC, PCIe-VITC, PCIe-VLTC, USB-TC, USB-IRIG, USB-LTC, USB-21VL, PCI-TC, PCI-LTC, PCI-VITC, PCI-VLTC, PCI-21, AEC-BOX, and AEC-uBOX are trademarks of Adrienne Electronics Corporation. Copyright ©2011 AEC.

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SHORT FORM CATALOG & PRICE LIST

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Adrienne Electronics Corporation

"SDV" TIME CODE & CAPTION BOARDS FOR PCI-EXPRESS (PCIe-TC) COMPUTER INTERFACE

		STANDARD CAPABILITIES														OPTIONS (additional \$)					
		1/10th to 30x, simultaneous time and user bits, DF/NDF, 24/25/30 FPS rates	-24/25/30 FPS output, freezeun or sync to video	Video Sync detection - NTSC/PAL (composite video)	Bidirectional, -1x to +3x, simultaneous time and user bits, DF/NDF, automatic or programmable VITC line section	Keys VITC over desired video lines	LTC reader time code regenerated by LTC generator	LTC time code reader data generated by SDI VITC generator	SDI VITC time code reader data generated by LTC generator	Digital Video (SDI) closed captioning decoder/reader - reads CC data / XDS / V-Chip	Digital Video (SDI) closed captioning encoder/generator - creates/inserts CC data / XDS / V-Chip	Reads all IRIG data including time-of-day, day-of-year, straight binary seconds (used by aerospace industry) (SBS), and all control bits. (used in aerospace)	Generate all IRIG data including time-of-day, day-of-year, straight binary seconds (used by aerospace industry) (SBS), and all control bits. (used in aerospace)	Time code status indicator (Green LED viewable on bracket)	On Screen Display, window burn (see the time code data as overlay in SDI video)	BNC connector for the LTC input (instead of default RCA)	BNC connectors for LTC input & output (instead of default RCA connectors)	Miniature XLR connector for the LTC input (instead of default RCA) Comes with mating plug	Miniature XLR connector for the LTC input & output (instead of default RCA). Comes with mating plug	Low profile (half height) bracket instead of standard full height bracket	
PCI Express Interface (x1)	Model / Model#	PRICE	LTC Reader	LTC Generator	SDI Video In/Out	SDI VITC Reader	SDI VITC Generator	LTC to LTC	LTC to SDI VITC	SDI VITC to LTC	Caption Reader	Caption Generator	IRIG-B Reader	IRIG-B Generator	Status LED	OSD	LTC input BNC (\$5.50)	LTC in/out BNC (\$11)	LTC input mini-XLR (\$22.50)	LTC in/out mini-XLR (\$45)	LOWB (n/c)
	PCIeSDV-19	TBD	✓	✓										✓	✓	✓			✓		✓
	PCIeSDV-24	\$635	x4	✓	✓														✓		✓
	PCIeSDV-65	TBD	✓	✓	✓	✓	✓	✓	✓	✓	✓					✓	✓			✓	✓
	PCIeSDV-87	TBD	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓			✓	✓
Additional Info on "PCIeSDV" Models		<p>This new product line carries the "PCIeSDV" model prefix (indicating in general that the model supports Serial Digital Video). The card circuits are designed to work with all speeds of SDI signals from the relatively slow SD-SDI to the HD-SDI and even the latest 3G-SDI signals. From the general list of capabilities shown below, you can see that there are a lot of different models that can be made on the PCIeSDV platform. Note that not all of the capabilities can be present at the same time on the board as some "possible" pairs or sets of features require the same input or output connector. Some also use the same section of the circuit and can not be simultaneously assigned. In general, because of careful circuit design considerations and planning, it is possible to have many different combinations of SDI in/out, LTC in/out, audio out and IRIG in/out.</p> <p>The PCIeSDV devices are physically about the same size as the PCIe-TC model but with an additional 1.25 inch length added. This allows them to work in both full height and low profile slots, depending upon the bracket that is installed. Contact Adrienne Electronics for more details on the various models, pricing and availability.</p> <p>Our 6th Generation (6G) time code boards are designed for the PCI Express (x1) bus and can be mounted in both standard and low profile slots. Both brackets are included, one installed. All PCIeSDV models include a high performance 32-bit on-board processor and an externally visible time code / signal status LED, system diagnostics, in-system upgradable firmware, plug and play installation, Windows software drivers, full RoHS compliance and FCC and CE-mark approval (pending laboratory testing certifications), and automatic frame rate (30/25/24 frames/second) operation. Models with video circuitry will handle SD/HD/3G-SDI signals. BNC connectors are standard for SDI (SDV) and IRIG signals. Audio/LTC may use a BNC, mini-XLR (3P) or mini-XLR (5P), depending upon the board model and required connector configurations and requests. Adrienne Electronics is pending release of the first models in the product line in Q3, 2011. Large order customization may be available. See our web site for additional model and functional ability over the coming weeks.</p>																			
"Possible" Capabilities		<ul style="list-style-type: none"> LTC reader for up to four different channels at once LTC generator for up to four different channels at once Read the closed caption data embedded in an SDI signal Create/embed closed captions into an SDI stream Translate SDI time code into LTC Monitor embedded audio (stereo/mono) of an SDI signal Read SDI embedded time code or other embedded signals from up to three different streams at once Embed time code from LTC reader or internal software controlled generator source into an SDI stream 										<ul style="list-style-type: none"> Read IRIG-B time code Generate IRIG-B time code Translate IRIG to LTC or LTC to IRIG. Create up to three channels of SDI test signals Embed visible time code numbers into SDI video Analog and SDI video sync detection Plus more... 									

Preliminary "SDV" Products Ordering Guide