

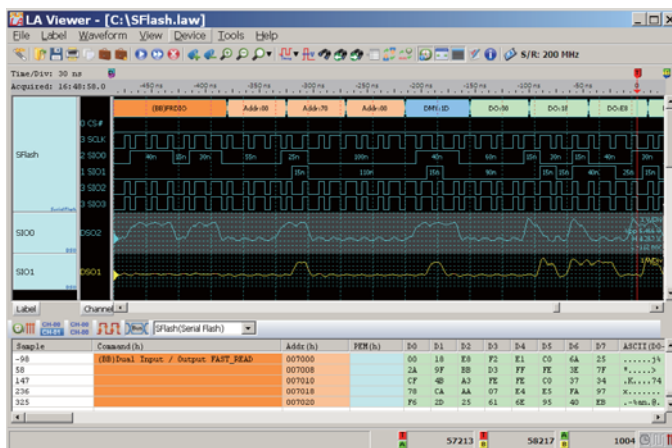
Acute TravelLogic logic analyzer

- PC-based
- USB2.0 interface / powered
- 36 channels
- 4 GHz timing / 200 MHz state analysis
- 4-conditions (4 levels each) trigger
- Data Logger (HD storage)
- Transitional Storage / Qualified Storage
- Input Sensitivity 0.25Vpp
- Stackable with Acute or other brand DSO to form an MSO
- Trigger Group I : CAN, I²C, I²S, LPC, SPI, SVI2, SVID, UART, ...
- Trigger Group II : eMMC 4.5, NAND Flash, SD 3.0, Serial Flash, SPI NAND, ...
- Bus Decode : CAN, eMMC, I²C, I²S, NAND Flash, PMBus, Profibus, SD, SMBus, SPI, SVI2, SVID, UART, USB1.1, ... (70+ decodes)



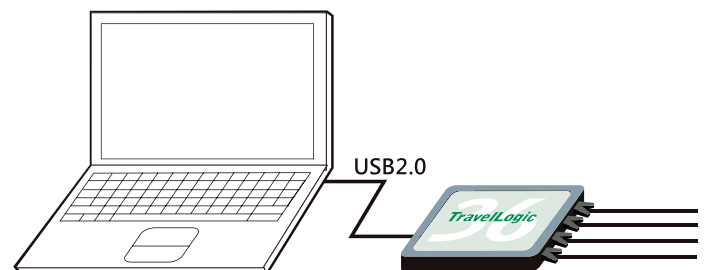
Model	Memory	Trigger
TL2136B	18 Mb	Group I
TL2236B	72 Mb	Group I
TL2236B ⁺	72 Mb	Group I, II

Software Window



System Requirements

- USB 2.0 port
- XP, Vista, Win 7, Win 8 (32 / 64 bits)



Acute

PC-based T&M Instruments

Acute Technology Inc.

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TravelLogic series

Model		TL2136B	TL2236B	TL2236B+	
Power	Power Source	USB bus-power (+5V)			
	Static Power Dissipation	0.75W			
	Max Power Dissipation	<2.5W			
Hardware Interface		USB2.0 (USB1.1 Compatible)			
Timing Analysis (Asynchronous, Max. Sample Rate)		4 GHz			
State Clock Rate (synchronous, External Clock)		200 MHz			
Transitional Storage		Multi channel (55 bits at 5 ns resolution/5.7 years duration)			
Qualified Storage		Only supports Transitional Storage			
Channels (Signal/Ground)		36/4			
Total Sample Memory		18M bits	72M bits		
Memory (bits) per channel vs. number of channels available	Timing Analysis	Memory (bits) per channel/number of channels available			
	4 GHz	2.5K/36			
	2 GHz	5K/36			
	1.6 GHz	4M/4	16M/4		
	800 MHz	2M/9	8M/9		
	400 MHz	1M/18	4M/18		
	200 MHz	512K/36, 1M/18	2M/36, 4M/18,		
		1.5M/12, 2M/9	6M/12, 8M/9,		
		3M/6, 4.5M/4	12M/6, 18M/4,		
		9M/2, 18M/1	36M/2, 72M/1		
Trigger	Resolution	250ps			
	Channels	36			
	Conditions	Yes (4)			
	Levels for each Condition	Yes (16)			
	Pre/Post Trigger Setting	Yes			
	Pass Counter	Yes (0 ~ 1048575 times)			
	Event Types	Word, Channel, Transition, Glitch, Width, Comparison, Time-out			
	Bus Trigger I	CAN, I²C, I²S, LPC, SPI, SVI2, SVID, UART, ...			
	Bus Trigger II	—		eMMC 4.5, NAND Flash, SD 3.0, Serial Flash	
	Input Port (for Stack)	TTL 3.3V			
Threshold	Output Port (for Stack)	TTL 3.3V			
	Range	+6V ~ -6V			
	Resolution	50mV			
	Accuracy	±100mV + 5%*Vth			
	Schmitt Trigger	Yes (Dual Threshold Mode)			
Input Voltage	Maximum	±40V DC, 15Vpp AC			
	Sensitivity	0.25Vpp @ 50MHz, 0.5Vpp @150MHz, 0.8Vpp @250MHz			
Impedance		200KΩ// <5pF			
Temperature		5°C ~ 45°C (41°F ~ 113°F)/-10°C ~ 65°C (14°F ~ 149°F)			
Channel to channel skew		< 1ns			
Software Features	Zoom In/Out	Yes (Scroll the mouse wheel)			
	Languages	English/Traditional Chinese/Simplified Chinese			
	Waveform Height	Adjustable			
	Zoom Window/Report Window	Yes			
	Quick Cursor-positioning	Yes			
	Import Label(s)	Yes			
	Quick Bus Decode Setup	Yes			
	Trigger cursor/Auxiliary cursors	1/25			
	Data Logger	Saved to Hard Disk			
	Bus Decode	1-Wire, 3-Wire, 7-Segment, AccMeter, ADC, APML, CAN, Close Caption, CEC, DALI, DMX512, DP-Aux, EDID, FlexRay, Line Decoding, Line Encoding, HD Audio, HDQ, HID over I²C, I²C, I²C EEPROM, I²S, I80, IDE, Indicator, ITU656, IrDA, JTAG, LCD1602, LIN, Lissajous, LPC, Math, MDIO, MHL-CBus, Microwire, MII, MIPI DSI-LP, MMC, Modbus, Nand Flash, NEC IR, PECEI, PMBus, Profibus, PS/2, PWM, QI, RC-5, RC-6, SDIO, Serial Flash, Serial IRQ, SGPIO, Smart Card, SMBus, SMIIm, S/PDIF, SPI, SPI-NAND, SSI, ST7669, SWD, SWP, SVI2, SVID, UART, UNI/O, USB 1.1, Wiegand, ...			
		Line Decoding	Biphase Mark, Differential-Manchester, Manchester (Thomas, IEEE802.3), Miller, Modified Miller, NRZI, ...		
			AMI (Standard, B8ZS, HDB3), Biphase Mark, CMI, Differential-Manchester, Manchester (Thomas, IEEE802.3), MLT-3, Miller, Modified Miller, NRZI, Pseudoternary, ...		
	Line Encoding				
	Dimension	Length x Width x Height (mm³)	123 x 76 x 21 (mm³)		
Lead Cable		A 40-pin lead cable (36 Signal + 4 Ground)			
Grippers		40			



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