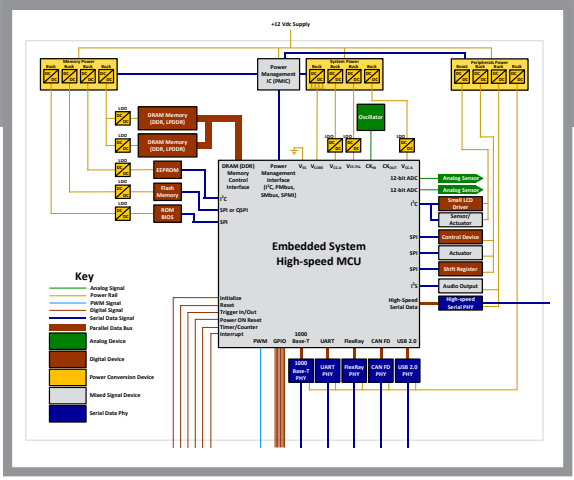
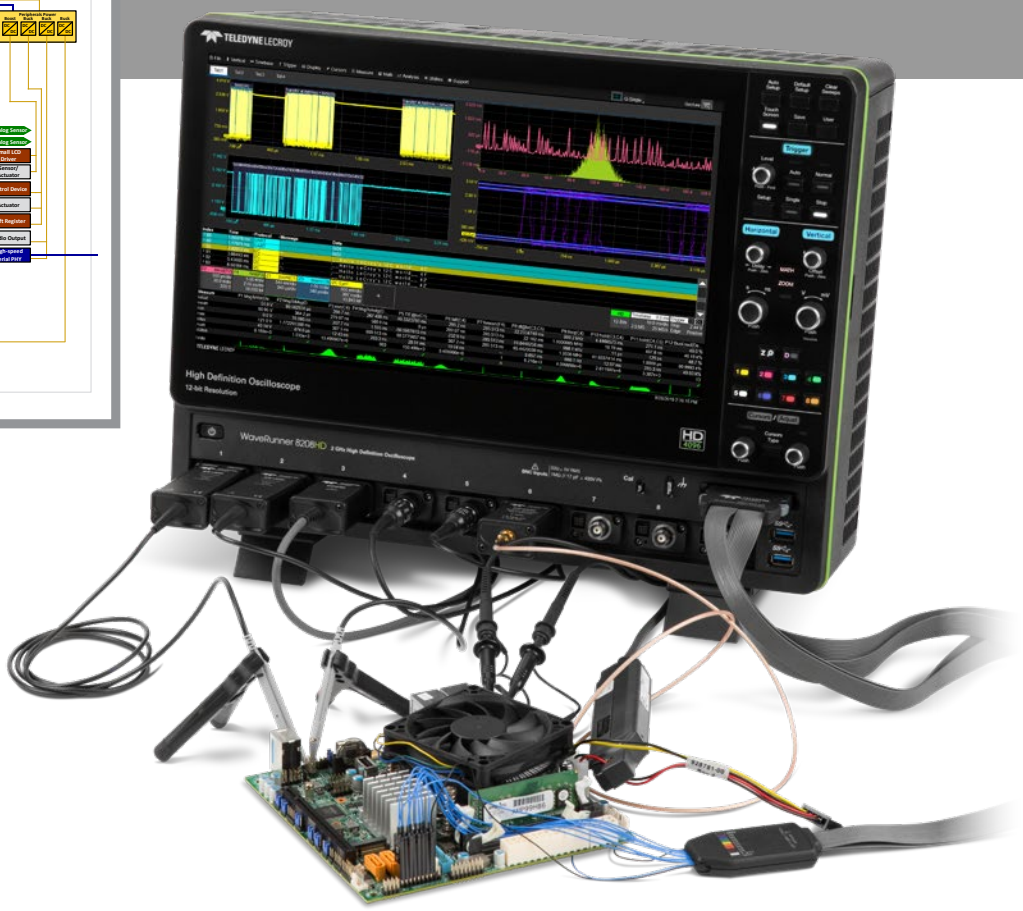
TELEDYNE LECROY
Everywhereyoulook™

Deeply Embedded Computing Systems





WaveRunner 8000HD 12-bit oscilloscopes acquire the longest records at the highest resolution for the most comprehensive deeply embedded computing system analysis (analog, digital, serial data, and sensor).

Powerful, deep toolbox

More standard math, measure, pass/fail and other tools than other oscilloscopes provide faster and more complete insight into circuit problems. Many additional application packages are optionally available to enhance understanding.

8 channels with long captures

8 channels with 12-bit resolution make the WaveRunner 8000HD the best performing oscilloscope for embedded systems testing, specifically those with sensor signals. 5 Gpts of memory captures every detail when performing causal analysis.

Comprehensive probe offering

A wide selection of low voltage, high voltage and current probes accurately measures every signal in your circuit. Additional probe adapters easily integrate third-party probes.

WAVERUNNER 8000HD VS TEKTRONIX 5 SERIES

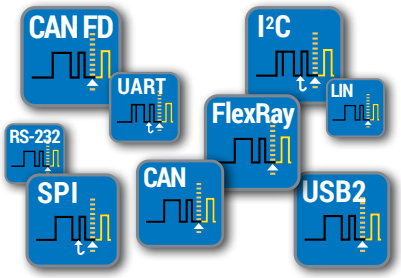
HD 4096

		Teledyne LeCroy WaveRunner 8000HD		Tektronix MSO 58 (5 Series)
Analog Channels	✓	8 (16 with OscilloSYNC™)	X	8 (without digital)
Digital Channels	✓	16 (with MSO option)	X	8 to 64 (optional) Each 8 digital channels consumes 1 analog channel
Resolution	✓	12 bits	X	12-bit ADC but 8-bit real-world noise performance
Bandwidth	✓	350 MHz - 2 GHz	X	350 MHz - 2 GHz Resolution is 8 bits at 2 GHz
Sample Rate	✓	10 GS/s	X	6.25 GS/s
Memory	✓	50 Mpts/Ch standard 1.25 Gpts/Ch maximum	X	62.5 Mpts/Ch standard 125 Mpts/Ch maximum
Display Size / Resolution	✓	15.6", 1920 x 1080 pixels Supports UHD (4096 x 2304) external monitor	✓	15.6", 1920 x 1080 pixels Supports HD (1920 x 1080) external monitor
Baseline Noise (rms, 2 GHz)	✓	330 uV @ 50 mV/div	X	1848 uV @ 50 mV/div (measured)
Low-speed Serial Decode	✓	Yes	✓	Yes
Low-speed Serial Trigger	✓	Yes	✓	Yes
Low-speed Serial Measure/Graph	✓	Yes	X	No
Low-speed Serial Eye Diagram	✓	Yes	X	No
High-speed Serial Data Analysis	✓	Yes	✓	Yes
Mixed-Signal Capability	✓	Yes	✓	Yes

Superior low-speed serial data toolsets

Serial Trigger, Decode, Measure/Graph and Eye Diagram (TDME) software options offer complete serial message debug and validation for over 20 supported protocols. Extend your knowledge of cause-effect behaviors and physical layer problems.

Trigger



Powerful Triggers

- Conditional DATA
- Adaptable ERROR
- Symbolic options

Decode

Intuitive Decoder

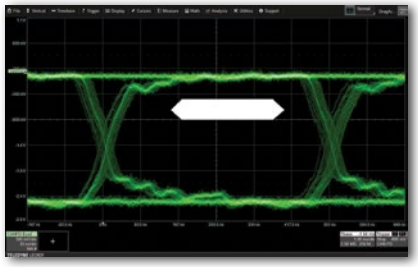
- 4 simultaneous
- Color-coded overlay
- Interleaved table
- Table filtering

Measure/Graph

Measure/Graph

- Automated
- Serial DAC + graph
- Timing measure
- Bus status

Eye Diagram



Physical Layer Test

- One button setup
- Mask testing
- Eye diagram filtering
- "P" options add measurements

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teledynelecroy.com

Local sales offices are located throughout the world.
Visit our website to find the most convenient location.