

WavePro HD

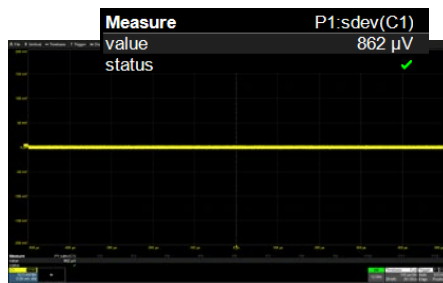
8 GHz, 20 GS/s, 5 Gpts.
12 bits all the time.

Capture Every Detail.

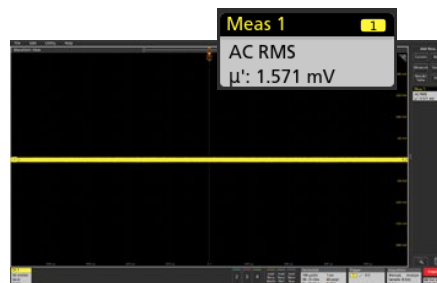


WavePro HD offers the industry's lowest noise, for the highest signal fidelity and most accurate measurements.

Baseline Noise (Full Bandwidth)	WavePro HD (8 GHz Model)	Tektronix 6 Series (8 GHz Model)
10 mV/div	✓ 315 μ V	X 342 μ V
20 mV/div	✓ 420 μ V	X 630 μ V
50 mV/div	✓ 983 μ V	X 1490 μ V
100 mV/div	✓ 1.95 mV	X 3.46 mV
1000 mV/div	✓ 13.81 mV	X 27.90 mV



Baseline noise measured on a 8 GHz, 20 GS/s, 12 bit WavePro HD. HD4096 technology enables exceptionally low noise.



Baseline noise measured on a 8 GHz, 25 GS/s, 8 bit Tektronix 6 series.



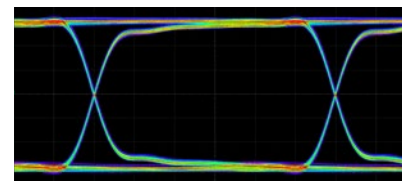
	WavePro HD	Tektronix 6 Series
Maximum Bandwidth	8 GHz	8 GHz
Resolution	12 bits	12 bits [†]
Maximum Sample Rate	20 GS/s	25 GS/s
Maximum Acquisition Memory	5 Gpts	250 Mpts
Display Size	15.6"	15.6"
ENOB in 8 GHz bandwidth mode	7.1 bits	6.1
Input Channels (Analog + Digital)	4 4+16 (-MS models)	4 ^{††} 3+8 (with logic probes)

[†] Only 8-bit resolution supported at 25 GS/s. 12-bit resolution available at 12.5 GS/s or lower.

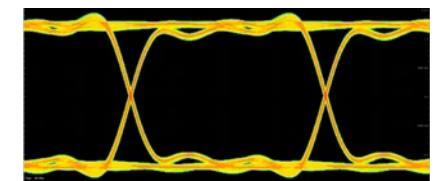
^{††} Logic probes sold separately. Each 8ch digital logic probe consumes one analog input channel.

Clean eye, accurate jitter measurements

The WavePro HD has excellent timebase jitter and exceptionally low baseline noise resulting in clean eye diagrams and highly precise serial data measurements.



WavePro 404HD
Eye Diagram: 1.25 Gbps PRBS signal
Tj: 15.13 ps, **Rj:** 580 fs, **Dj:** 6.97 ps



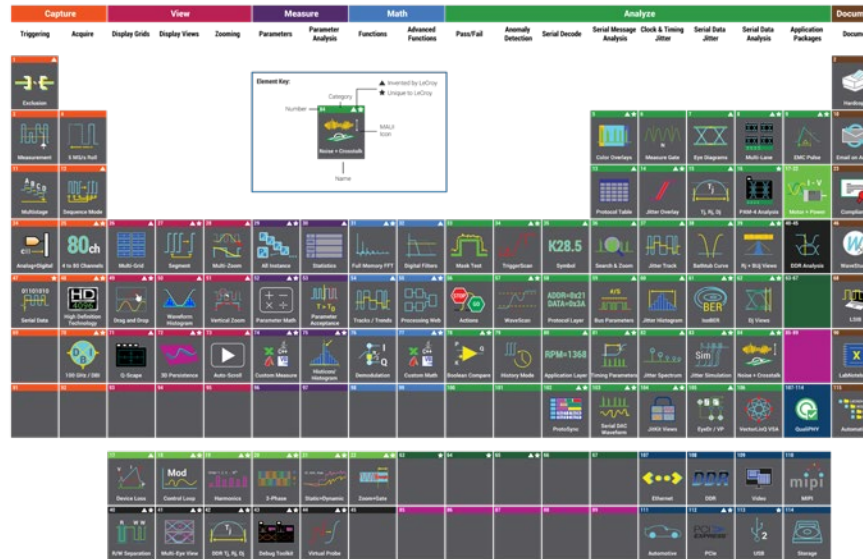
Tektronix 4 GHz MSO64
Eye Diagram: 1.25 Gbps PRBS signal
Tj: 16.81 ps, **Rj:** 697.5 fs, **Dj:** 7.042 ps

Powerful, Deep Toolbox

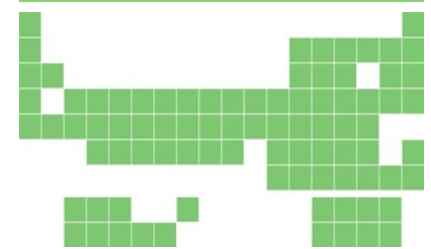
WavePro HD has the greatest breadth and depth of tools of any oscilloscope in its class, ensuring quick resolution of the most demanding debug tasks. Competitors offer much less capability.

Use the comparisons on the far right to compare tool coverage between the oscilloscopes.

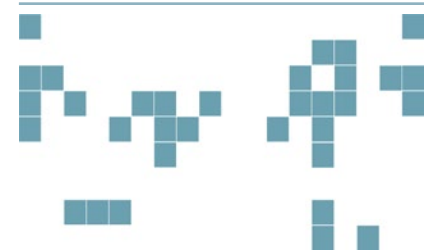
Learn more about our powerful, deep toolbox at teledynelecroy.com/tools.



WavePro HD



Tektronix 6 Series



HD4096 Technology - 16x Closer to Perfect

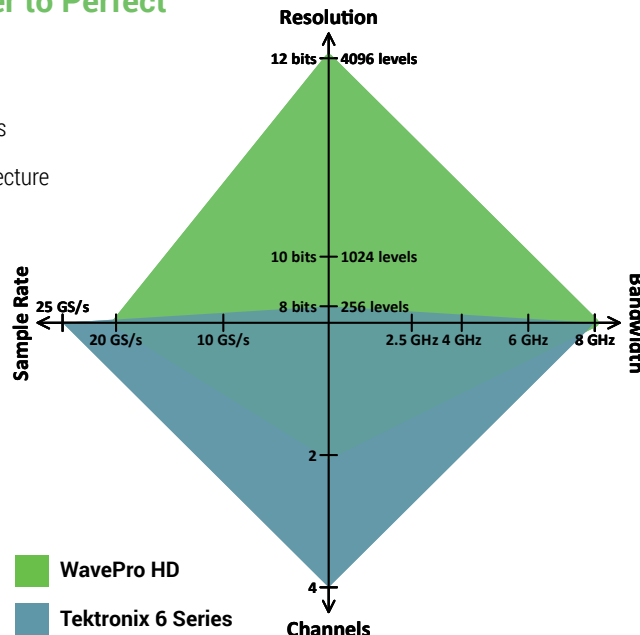


- 12-bit ADCs
- High SNR input amplifiers
- Low-noise system architecture

HD4096 technology provides superior and uncompromised measurement performance, with 12-bit resolution all the time.

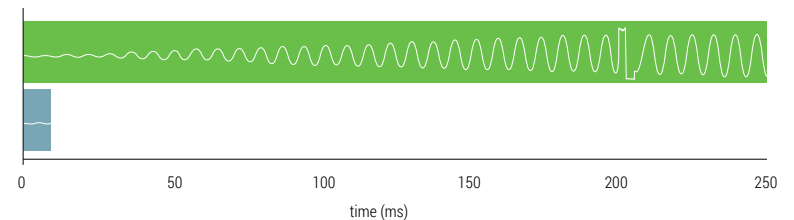
Other high-resolution oscilloscopes make tradeoffs between resolution, sample rate and bandwidth.

teledynelecroy.com/hd4096



Long Memory, No Compromise

With up to 5 Gpts of acquisition memory, WavePro HD 12-bit oscilloscopes capture events occurring over long periods of time, while still maintaining high sample rate for visibility into the smallest details. Oscilloscopes with less memory require trading off sample rate for acquisition time.



Tektronix 6 Series
250 Mpts @ 25 GS/s
10 ms acquisition time

WavePro HD
5 Gpts @ 20 GS/s
250 ms acquisition time