
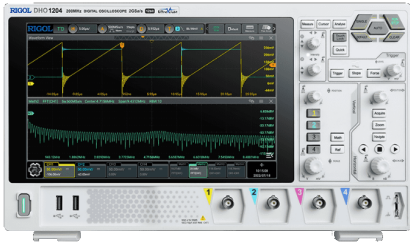


Models	 SDS1000X HD			 DHO1000		
Key Specifications						
Channels	2/4	✓	2/4	✓		
Bandwidth	100/200MHz	✓	70/100/200MHz	✓		
Vertical resolution	12-bit	✓	12-bit	✓		
Sample rate	2 GSa/s (single channel) 1 GSa/s (half channels) 500 MSa/s (all channels)	✓	2 GSa/s (single channel) 1 GSa/s (half channels) 500 MSa/s (all channels)	✓		
Memory depth (Max.)	100 Mpts/ch (single channel) 50 Mpts/ch (half channels) 25 Mpts/ch (all channels)	✓	50 Mpts/ch (standard) 100 Mpts/ch (optional)	✗		
Waveform capture rate	Normal mode: 120,000 wfm/s Sequence mode: 500,000 wfm/s	○	Vector mode: 50,000 wfms/s UltraAcquire mode: 1,500,000 wfms/s	○		
Noise floor	70 μ Vrms (200MHz)	✓	Not mentioned			
Other Specifications						
Vertical scale (probe 1X)	1 M Ω : 0.5 mV/div – 10 V/div 50 Ω : 0.5 mV/div – 1 V/div	✓	1 M Ω : 0.5 mV/div~10 V/div	✗		
Rise time	70MHz: 5 ns 100MHz: 3.5 ns 200MHz: 1.8 ns	✓	70MHz: 5 ns 100MHz: 3.5 ns 200MHz: 1.75 ns	✓		
Peak detect	2 ns	✓	2 ns	✓		
Skew (CH1~CH4)	< 100 ps	✓	≤2 ns	✗		

Time base	± 25ppm	×	±5 ppm ± 1 ppm/year	✓
DC gain accuracy(typical)	0.5 mV/div ~ 4.95 mV/div: ± 1.5 %; 5 mV/div ~ 10 V/div: ± 0.5 %	✓	± 2%	×
Offset range (probe 1X)	1 MΩ: 0.5 mV/div ~ 5 mV/div: ±1.6 V; 5.1 mV/div ~ 10 mV/div: ±4 V; 10.2 mV/div ~ 20 mV/div: ±8 V; 20.5 mV/div ~ 100 mV/div: ± 8 V; 102 mV/div ~ 200 mV/div: ±80 V; 205 mV/div ~ 1 V/div: ± 80 V; 1.02 V/div ~ 10 V/div: ±400 V 50 Ω: 0.5 mV/div ~ 5 mV/div: ±1.6V; 5.1 mV/div ~ 10 mV/div: ±4 V; 10.2 mV/div ~ 20 mV/div: ±8 V; 20.5 mV/div ~ 10 0mV/div: ± 8 V	✓	1MΩ: ≤65 mV/div: ± 1 V; 65 mV/div~ 270 mV/div: ± 10 V ; 270 mV/div~2.75 V/div: ± 20 V ; 2.75 V/div~10 V/div: ± 100 V	×
CH to CH Isolation (@50Ω)	DC~Max BW: >40dB	✓	≥100: 1	✓
I/O	3*USB Host, USB Device , 10M/ 100M LAN, External Trigger, TRIG OUT, PASS/FAIL, SBUS	○	2*USB Host, USB Device , LAN, Pass/ Fail, Trigger Out, 10 MHz IN/OUT, AUX OUT, EXT TRIG, HDMI	○
Display	10.1-inch	✓	10.1-inch	✓
Dimensions	L × H × W = 317.2 × 236.0 × 149.0 mm	×	L × H × W = 358.14 × 214.72 × 120.62 mm	✓
Weight	Net Weight 4.1 kg, Gross Weight 5.6	×	Net Weight 3.8 kg, Gross Weight 5.37	✓
Common functions				
Search Mode	Edge, Slope, Pulse, Interval, Runt	✓	Edge, Pulse	×
Navigate Type	Search event, Time, History frame	✓	Search event, Time, History frame	✓
History	80,000 frames	×	500,000 frames	✓
DVM	not support	×	4 digits	✓

Counter		7 digits	✓	3~6 digits	✗
Important functions					
Trigger type		Edge, Slope, Pulse width, Window, Runt, Interval, Dropout, Pattern, Video, Qualified, Nth edge, Delay, Setup/Hold time, I2C, SPI, RS232/UART, CAN, LIN	✓	Edge , Pulse , Slope , Video , Pattern , Duration , Timeout , Runt , Window , Delay ,Setup/Hold , Nth Edge , I2C, SPI, RS232/UART, CAN, LIN	✓
Serial Decoder	Decoders	2	✗	4	✓
	Decoder type	standard: I2C, SPI, RS232/UART, CAN, LIN,CAN FD, FlexRay	✓	standard: Parallel, RS232/UART, I2C, SPI, LIN, CAN	✗
Measurement	Measurement Parameters	66 (19+17+30)	✓	41 (17+16+8)	✗
	No. of Measurements at	5 (M1 mode) /12 (M2 mode)	✗	14	✓
	Statistics	Current, Mean, Min, Max, Sdev, Count, Histogram, Trend, Track	✓	Current, Average, Max, Min, Standard Deviation,Count	✗
Math	Trace	F1,F2,F3,F4	✓	F1,F2,F3,F4	✓
	Operation	FFT, +, -, x, ÷, fdt, d/dt, √, Identity, Negation, x , Sign, ex, 10x, ln, lg, Interpolation, Max hold, Min hold, ERES, Average, Formula Editor	✓	A+B, A-B, AxB, A/B, FFT, A&&B, A B, A^B, !A, Intg, Diff, Lg,Ln, Exp, Sqrt, Abs, AX+B, LowPass, HighPass, BandPass, BandStop	✗
	FFT	2Mpts	✓	1Mpts	✗
Mask Test		support	✓	support	✓
Bode Plot		standard	✓	not support	✗
Power Analysis (optional)		Power quality, Current Harmonics, Inrush current, Switching loss, Slew rate, Modulation, Output ripple, Turn on/turn off, Transient response, PSRR, Efficiency, SOA	✓	Power quality, Output ripple	✗

Digital channel(optional)	16 digital channels	✓	not support	✗
Waveform generator(optional)	Sine, Square, Ramp, Pulse, DC, Noise, 45 Arbitrary	✓	not support	✗