



+ Performance Specifications

Model	VDS2064
Bandwidth	60MHz
Channel	4+1 (multi)
Sample Rate	500MS/s
Horizontal Scale (s/div)	5ns/div - 100s/div, step by 1 - 2 - 5
Rise Time	≤5.8ns
Record Length	5M
Input Coupling	DC, AC, and GND
Input Impedance	1MΩ ± 2%, in parallel with 10pF ± 5pF
Channel Isolation	50Hz : 100 : 1 ; 10MHz : 40 : 1
Max Input Voltage	40V (DC + AC peak)
DC Gain Accuracy	±3%
DC Accuracy	Average ≥ 16 : ±(3% reading + 0.05 div) for ΔT
Probe Attenuation Factor	1X, 10X, 100X, 1000X
LF Respond (AC, -3dB)	≥10Hz (at input, AC coupling, -3dB)
Sample Rate / Relay Time Accuracy	150ps
Interpolation	sin(x)/x
Interval (ΔT) Accuracy (full bandwidth)	Single : ± (1 interval time + 100ppm × reading + 0.6ns), Average > 16 : ±(1 interval time + 100ppm × reading + 0.4ns)
Vertical Resolution (A/D)	8 bits (2 channels simultaneously)

Model	VDS2064	
Vertical Sensitivity	5mV/div - 5V/div	
Trigger Type	Edge, Pulse, Video, Slope, and Alternate	
Trigger Mode	Auto, Normal, and Single	
Trigger Level	±5 divisions from screen center	
Acquisition Mode	Sample, Peak Detect, and Average	
Line / Field Frequency (video)	NTSC, PAL, and SECAM standard	
Cursor Measurement	ΔV, and ΔT between cursors	
Automatic Measurement	Vpp, Vavg, Vrms, Freq, Period, Vmax, Vmin, Vtop, Vbase, Vamp, Overshoot, Preshoot, Rise Time, Fall Time, Delay A→B, Delay A→B, +Width, -Width, +Duty, -Duty	
Waveform Math	+, -, *, /, invert, FFT	
Lissajous Figure	Bandwidth	full bandwidth
	Phase Difference	±3 degrees
Communication Interface	USB2.0, LAN (optional)	
Multi-function Interface	Signal Type	synchronized input / output, Pass / Fail, external trigger input
	Level Standard	TTL
Power Supply	5.0V/1A	
Power Consumption	≤5W	
Dimensions (W x H x D)	190 x 120 x 18 (mm)	
Device Weight	0.30 kg	

Specifications subject to change without prior notice.

+ Application

design and debug circuit function test education and training

+ Accessories

The accessories subject to final delivery.



Probe Probe Adjust Power Cord* CD Rom Manual USB Cable Adapter* Silicon Gel Case Soft Bag (optional)

* Power cord and adapter only available for models with LAN port.