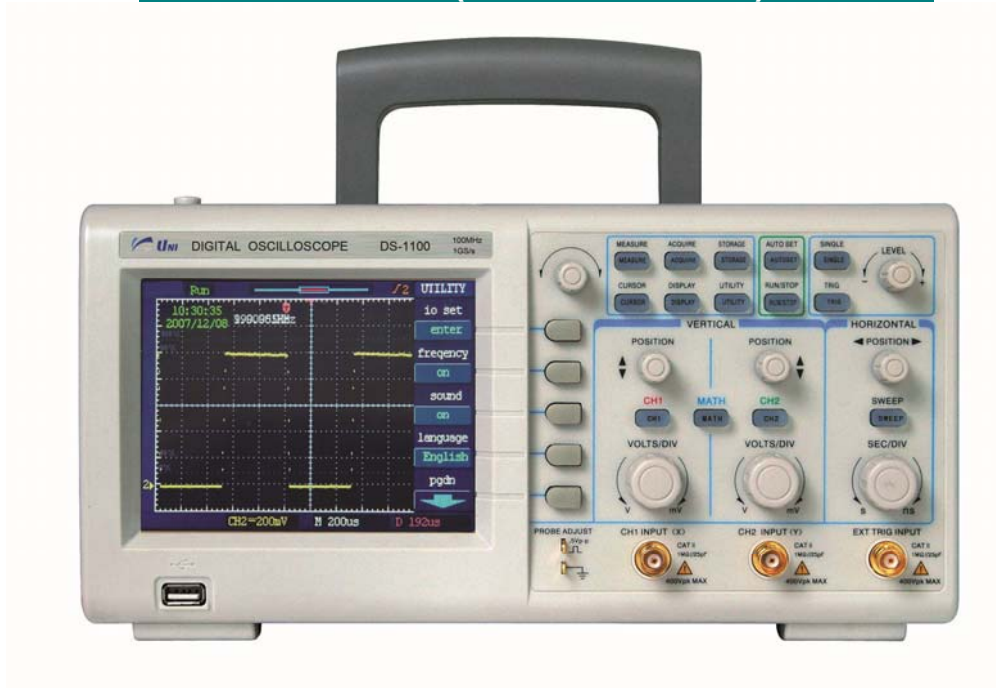


Digital Oscilloscope

DS-1200(200MHz-1GS/s)
DS-1100(100MHz-1GS/s)
DS-1065(60MHz- 500MS/s)



■ Features

- 60MHz/100MHz/200MHz bandwidth
- 500MS/s to 1GS/s real-time sample rate
50GS/s sample rate for repetitive waveforms
- 1M Memory
- 2mV/div to 50V/div Vertical Sensitivity
- High resolution color LCD display
- USB storage, RS232C & J45 interface
- 4000 point record length for each channel
- Multi-waveforms math, FFT Function
- Built-in delay sweep function
- Automatic Multi-waveform Measurement
- Cursor & Track measurement
- Waveform Record & Recall
- Display of date, clock and help information
- Trigger Mode for Edge, Video, Pulse Width, Slope & Alternate
Pass & Failure for ordinary setting and waveform setting
Calibration Signal with optional frequency of 1KHz,10KHz &100KHz
10 groups of waveform storage, CSV storage, 10 groups of setting and position storage.

■ Technical Specification

Vertical system	Bandwidth	60MHz(DS-1065), 100MHz(DS-1100), 200MHz(DS-1200)
	Channel	CH1, CH2
Horizontal system	Vertical Resolution	8bit
	Vertical Sensitivity	2mV/div -50V/div, 1-2-5 14 step
	Simulation bandwidth	-3dB
	Rising time	≤1.8ns (200MHz), ≤3.5ns (100MHz), ≤5.8ns (60MHz), ≤8.7ns (40MHz), ≤14ns (25MHz)
	Input impedance	1MΩ ±2%, 20pF±5
	Max safe input voltage	400V(DC+AC peak) / frequency≤400Hz (when input impedance is 1MΩ)
	Mode	CH1, CH2, CH1±CH2, CH1×CH2, CH1/CH2, FFT
	Sampling Rate	500MS/s ~ 1GS/s
	Equivalent sampling rate	50GS/s
	Waveform interpolation	Sin(x)/x
Record length	≥4kB/CH, expandable to 256MB or 512MB	
Horizontal working mode	Primary sweep, primary sweep + delay expansion sweep and X-Y / 1-2-5	
Timebase range	50s/div~1ns/div(200MHz), 50s/div~5ns/div(100MHz) 50s/div~10ns/div(60MHz, 40MHz), 50s/div~20ns/div(25MHz)	
Timebase accuracy	±100ppm	
X-Y	X (CH1) frequency bandwidth : DC ~ full bandwidth (-3dB) Phase potential difference : ≤3° when 5MHz CH1, CH2, EXT, city electricity	
Trigger	Trigger source	inner : ≥1div (frequency upper limit is 40MHz) ≥2div (frequency is more than 40MHz) ≥2div, ΔV, ΔT, 1/ΔT
	Trigger sensitivity	out : ≥100mVp-p frequency upper limit is 40MHz ≥200mVp-p frequency is more than 40MHz ≥200mVp-p, TV-V, TV-H video trigger 100Hz~100MHz square signal
	Auto trigger range	Int. trigger : ±4div / Ext. trigger : ±1.6V
	Trigger level range	Edge trigger : Rise along, drop along
	Trigger mode	Impulse trigger : More than, equal to and less than setting pulse width. Video trigger : TV-V, TV-H Slope trigger : more than, equal to and less than setting time
Cursors	Measurement	ΔV, ΔT, 1/ΔT
	Auto measure	Voltage parameter : Max, Min, peak-peak value, top value, bottom value, amplitude value, root-mean-square value, average value, overshot, pre-shot, damp. Time parameter : cycle, frequency, rising time, fall time, positive pulse width, negative pulse width, positive ratio, negative ratio, delay 1-2 , delay1-2
General	Display	5.7 inch color LCD display
	Display screen	320pixel(horizontal)× 234pixel (vertical)
	Display type	dot, vector
	Display mode	Normal, Flat, Average, Peak value, Afterglow
	Output interface	USB, RS232, J45 Ethernet interface(Optional)
	Storage	Setting / Waveform storage : 10 groups
	Power supply	AC 100V~240V ±10% / 45Hz~440H / about 25W
	Temperature	Working: 0℃~+40℃ / Storage : -40℃~+60℃
	Humidity	Working : 40℃ / (20~90)%RH / Storage : 50℃ / 90%RH, 24h
	Size/ Weight	300mm×150mm×130mm / 2.5Kg (net weight)