

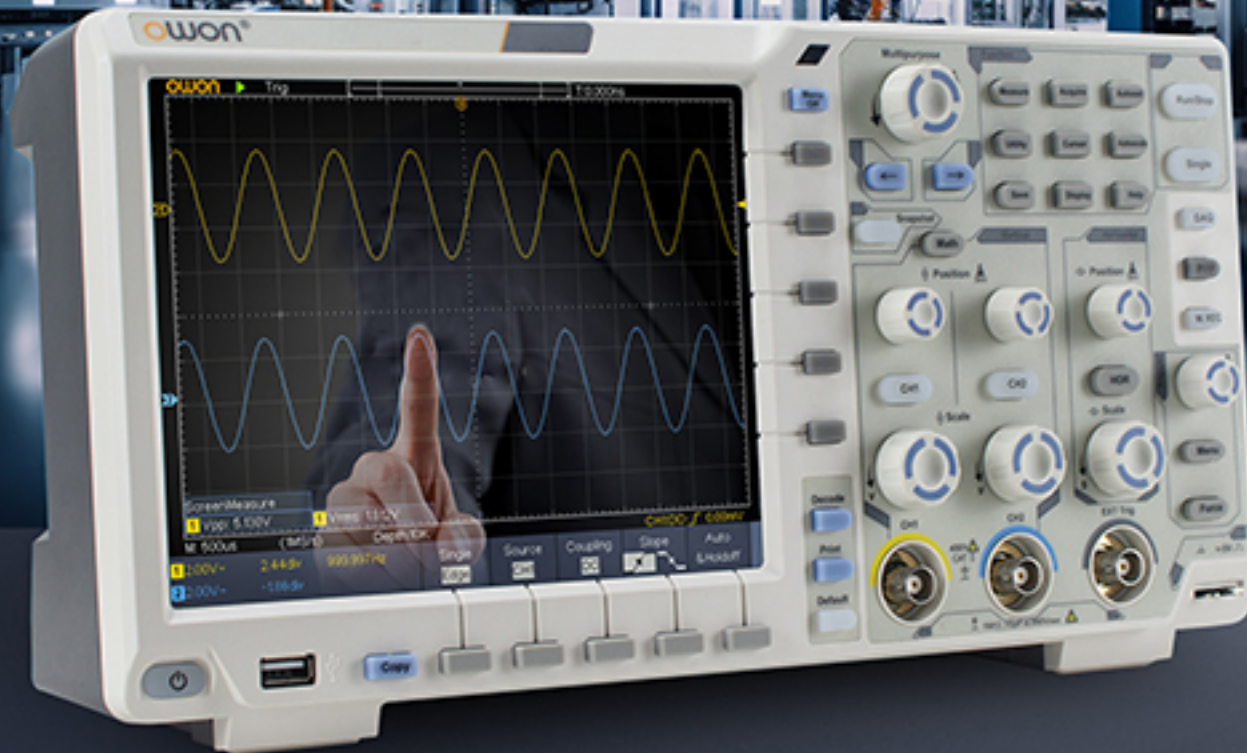


8" Wide Screen
multi touch screen
(optional)

80M Record
Length

75,000 wfms/s
refresh rate

2-CH
bandwidth: 100MHz / 200MHz
Sample Rate: 1Gsa/s



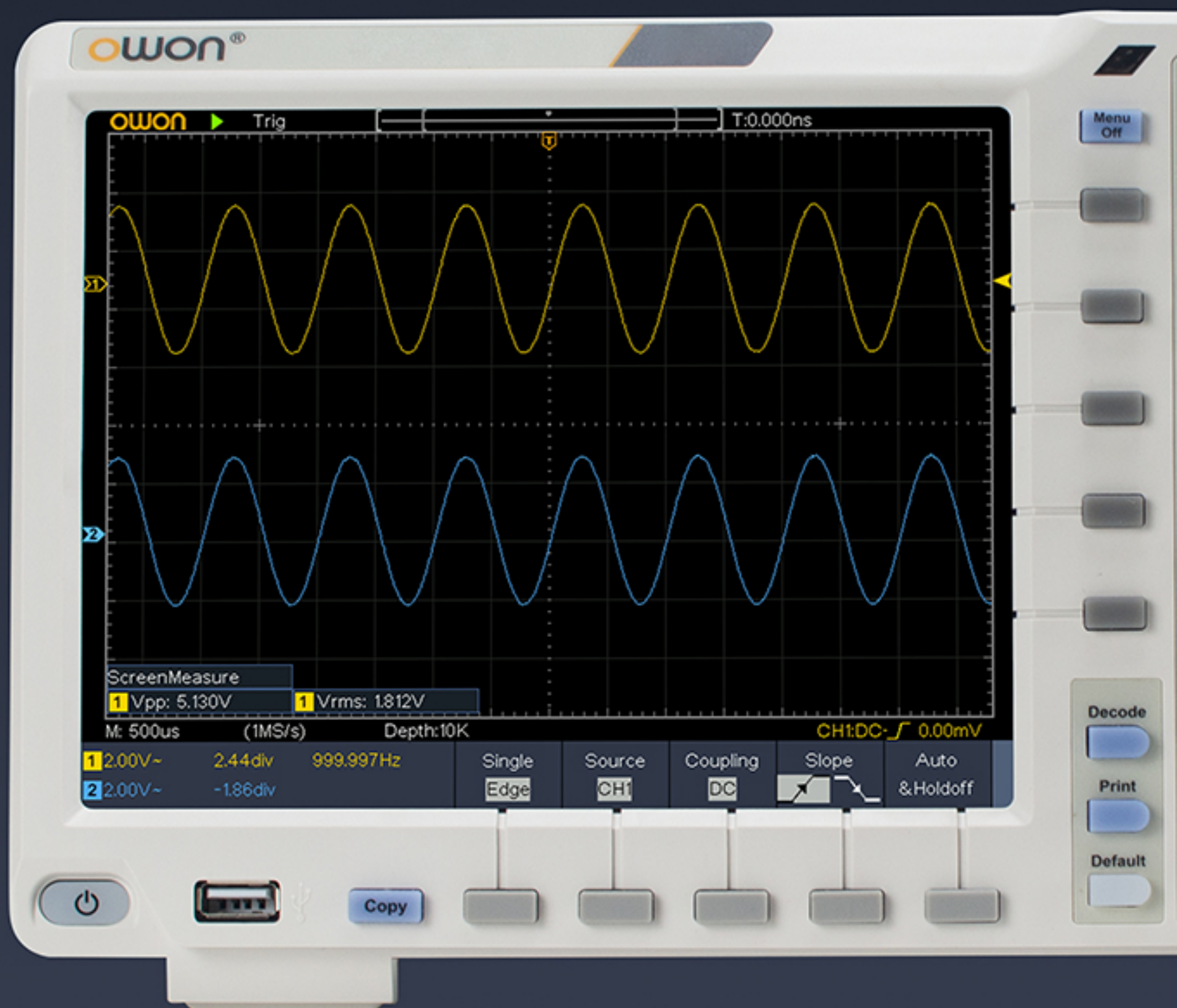
XDS2000 Series Super Phosphor Oscilloscopes

- + 100 and 200 MHz bandwidth
- + The real-time sampling rate is up to 1Gs
- + Storage depth up to 80M, Waveform capture rate up to 75000 wfm/s
- + Rich trigger and bus decoding functions: Edge, video, pulse width, slope, under-amplitude, over-amplitude, (Time out), Nth edge, logic, I2C, SPI, RS232, CAN trigger Function and I2C, SPI, RS232, CAN decoding function
- + Waveform calculation functions
(FFT, addition, subtraction, multiplication, division, user-defined,)
- + Abundant interfaces: USB Host & Device, LAN, Pass/Fail, VGA interface, convenient for video expansion and teaching demonstration
- + Support SCPI remote control commands
- + 8-inch (800x600) high-resolution touch screen LCD

UNIQUE FEATURE

BIG SCREEN, BETTER VIEW

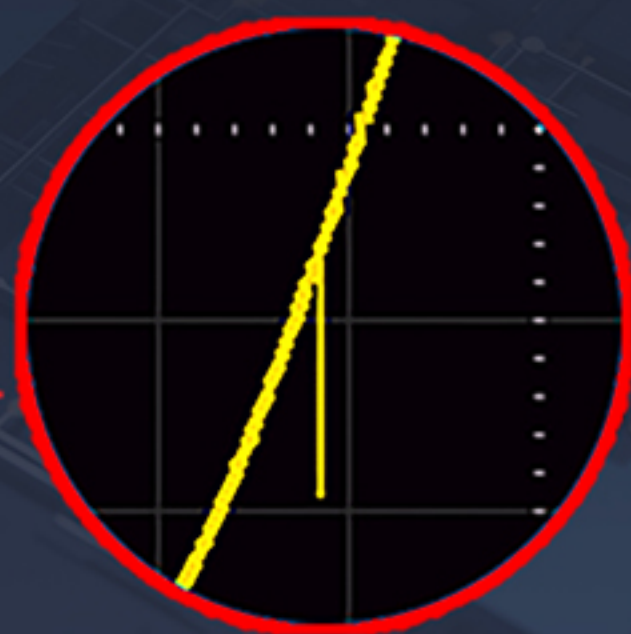
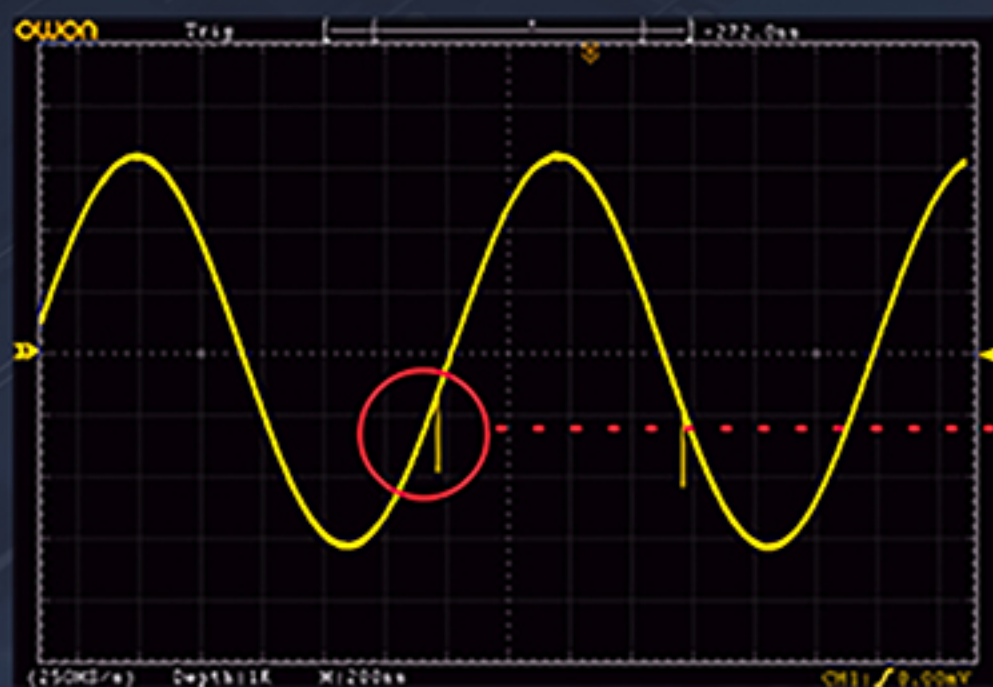
8-Inch Wide Display with Comprehensive Waveform Visualization



Most oscilloscopes at the same price on the market use a narrow 7-inch screen, while the XDS2000 series uses an 8-inch wide screen, with a vertical display of 10 divisions, which is much higher than the 8-division display of ordinary oscilloscopes, and can accurately display waveform information.

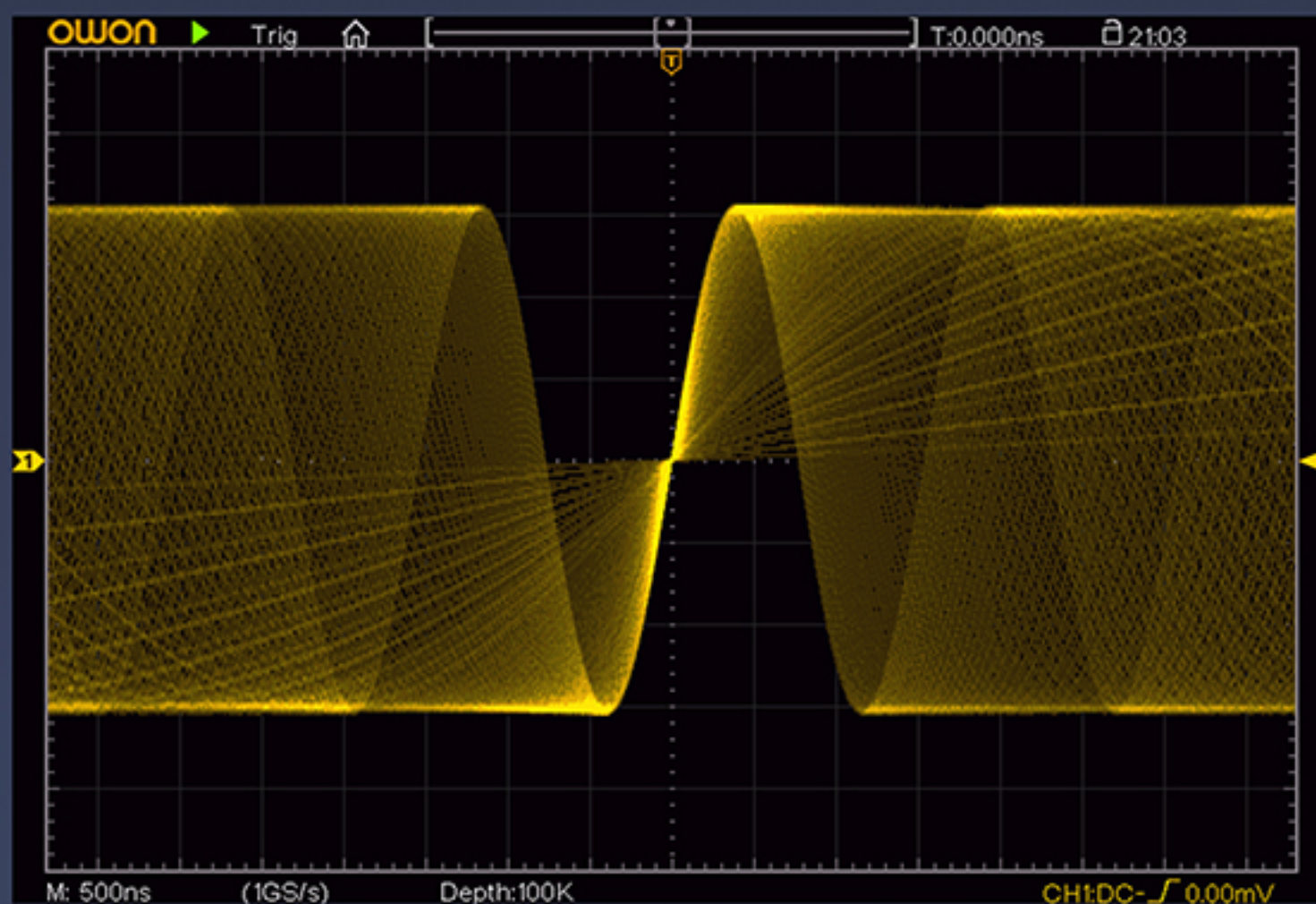
HIGH PERFORMANCE AND HIGH APPEARANCE

Industry-leading 75000wfms/s waveform refresh rate, abnormal signals are invisible



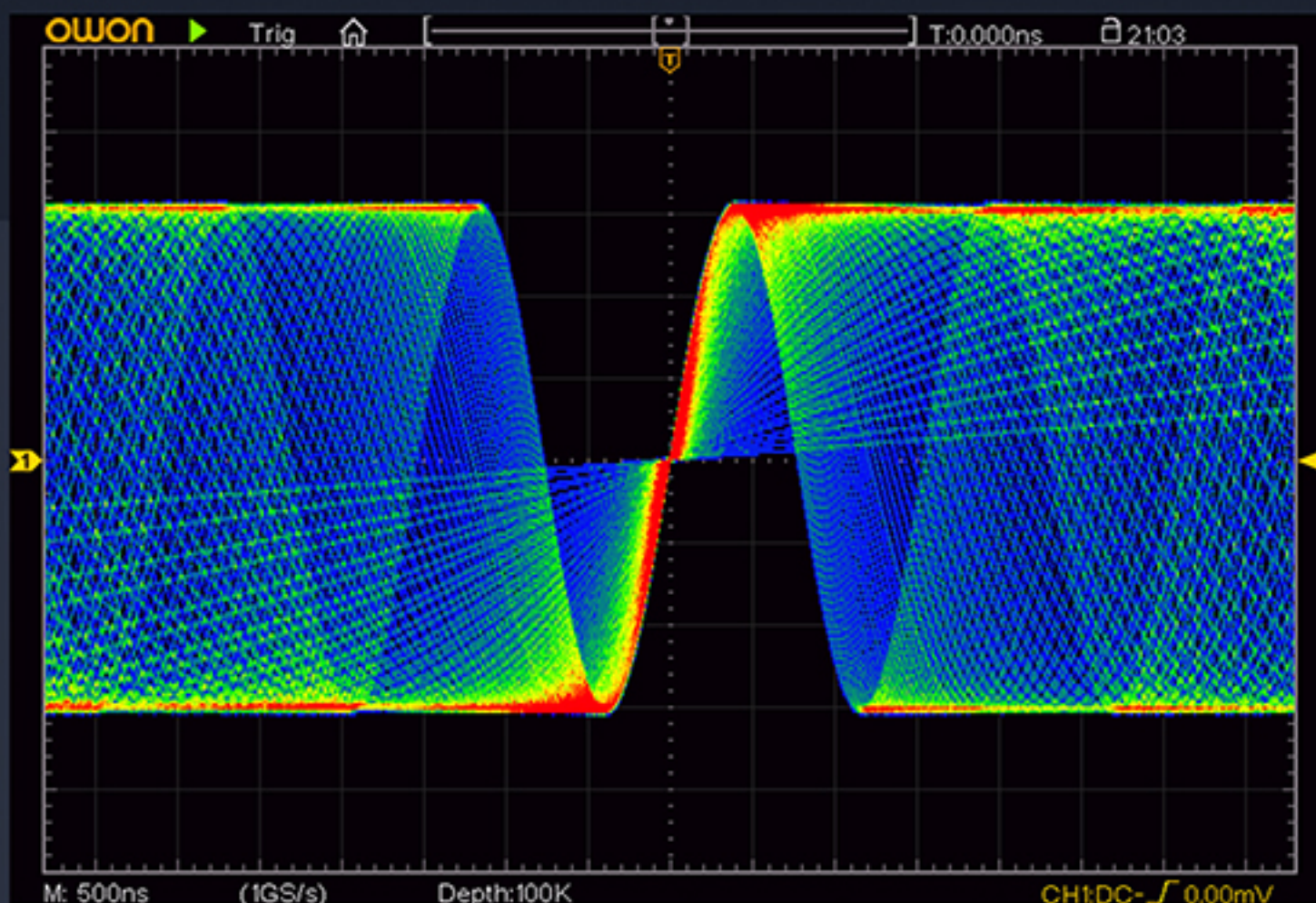
BRIGHTNESS LEVEL DISPLAY

In a unit time, the higher the frequency of the signal, the brighter the pixel, and vice versa



COLOR TEMPERATURE DISPLAY

The probability of occurrence of the waveform is represented by the degree of color warmth, the warmer the chroma value, the higher the probability of occurrence



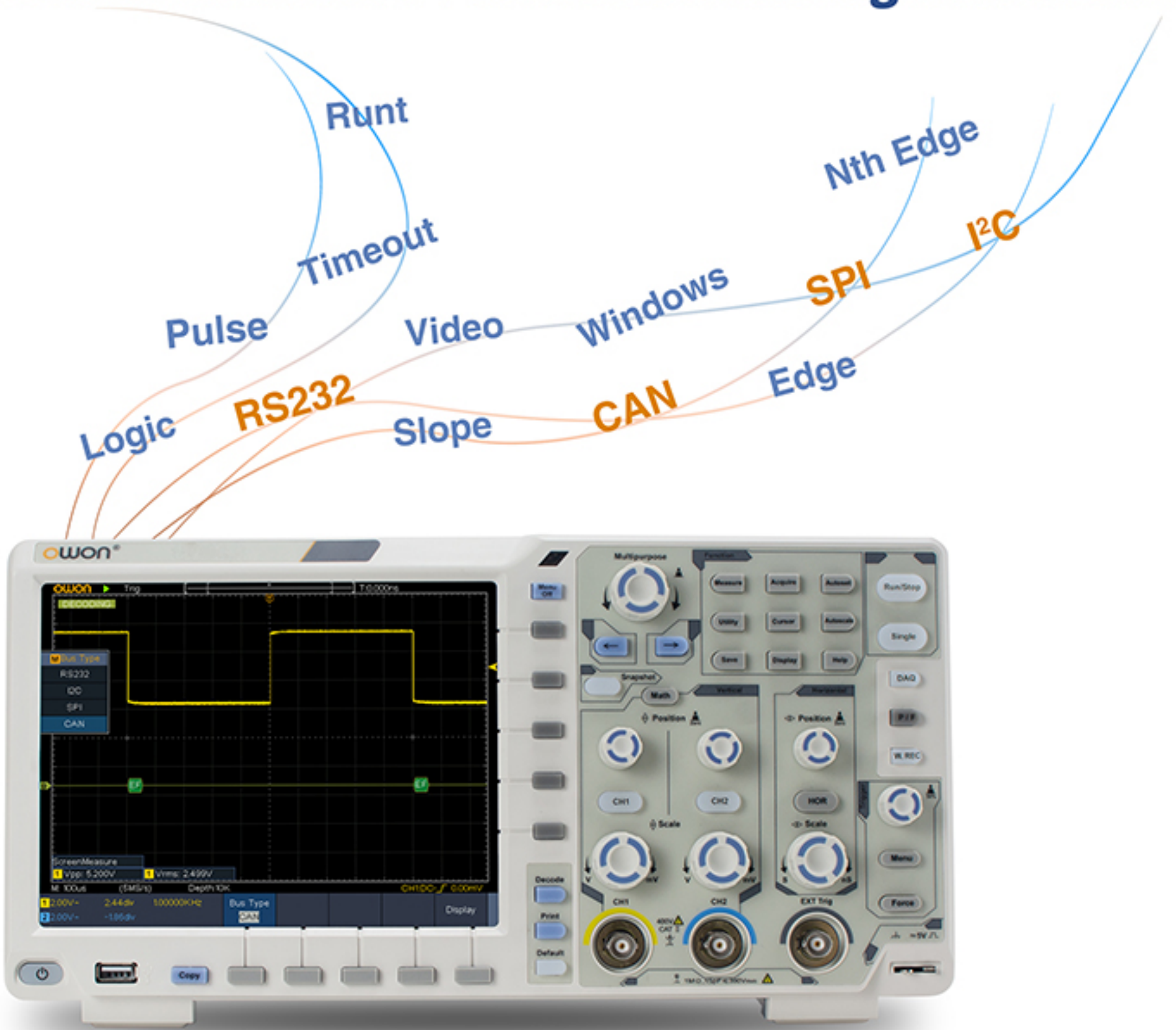
M Length
1000
10K
100K
1M
10M
20M
40M
80M

Max

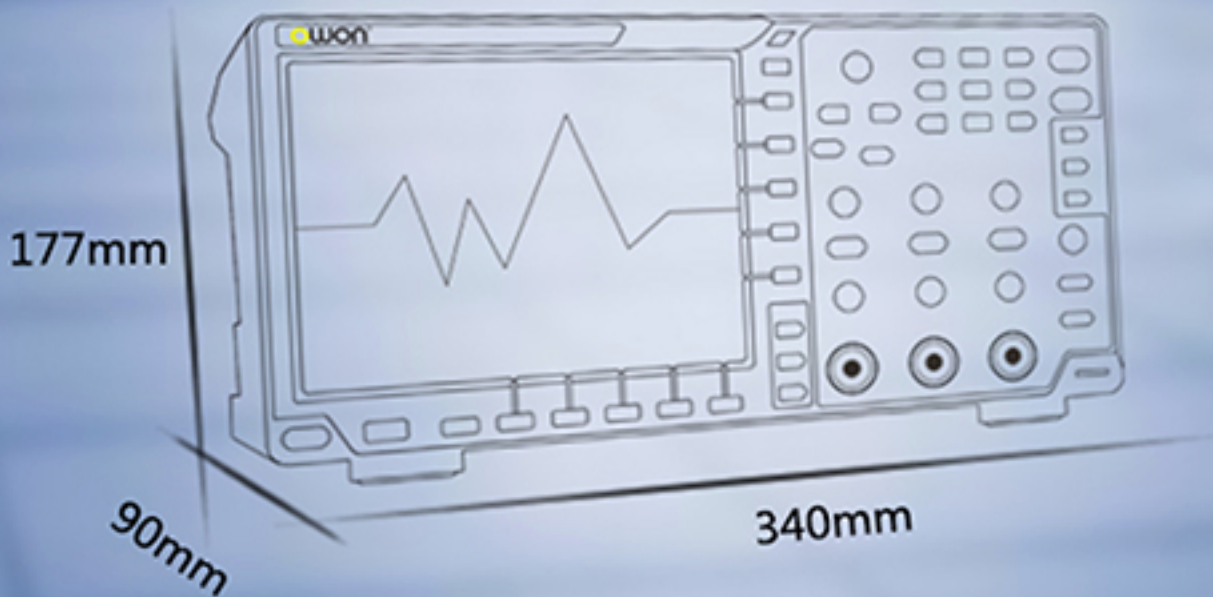
80M Record Length
(optional)

improves capture time

Comes as Standard with Advance Trigger and Communications Protocol Decoding Functions!

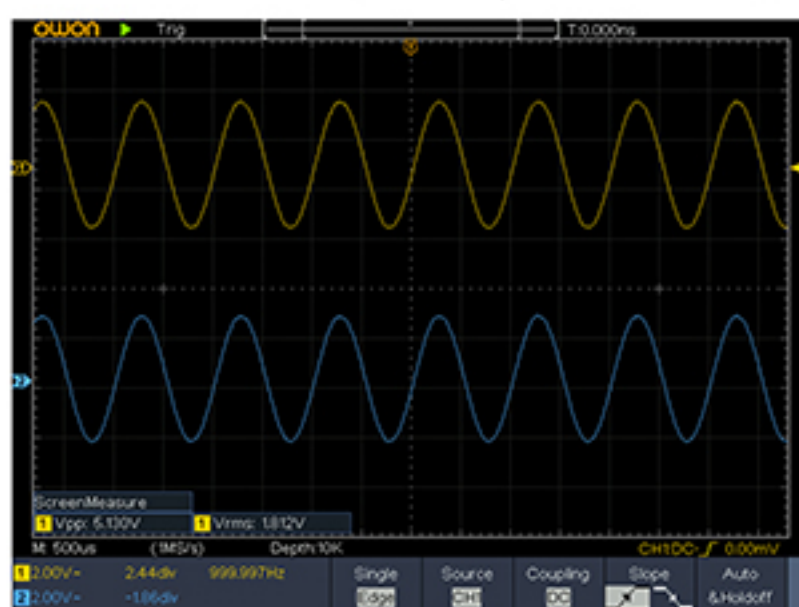


Its Ultra - thin body (90mm Depth) saves space on your desk

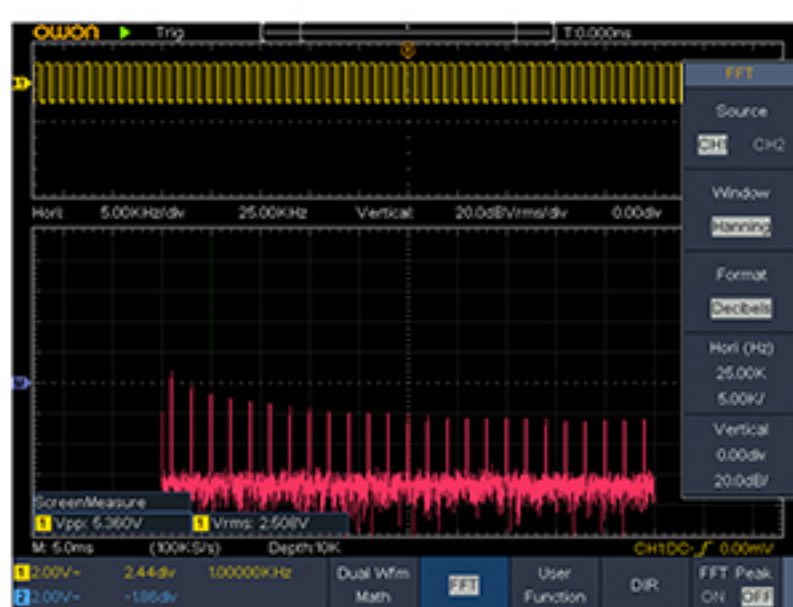


MULTIFUNCTIONAL COLLECTION, ONE MACHINE WITH MULTIPLE FUNCTIONS

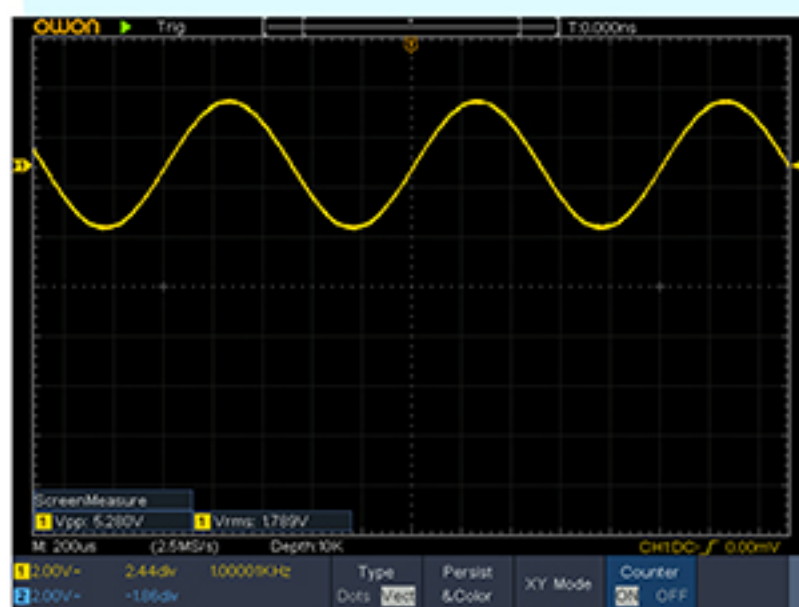
Support oscilloscope, FFT spectrum analyzer,
frequency counter, protocol analyzer in one



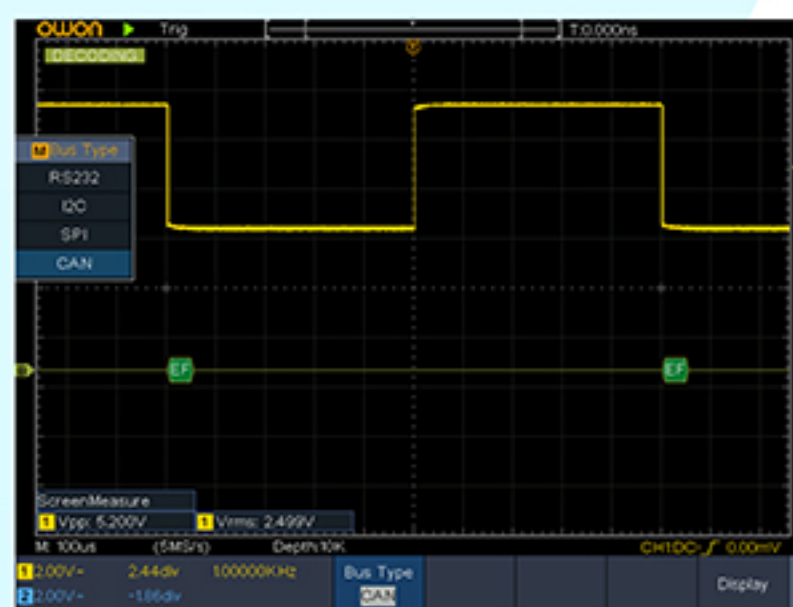
oscilloscope



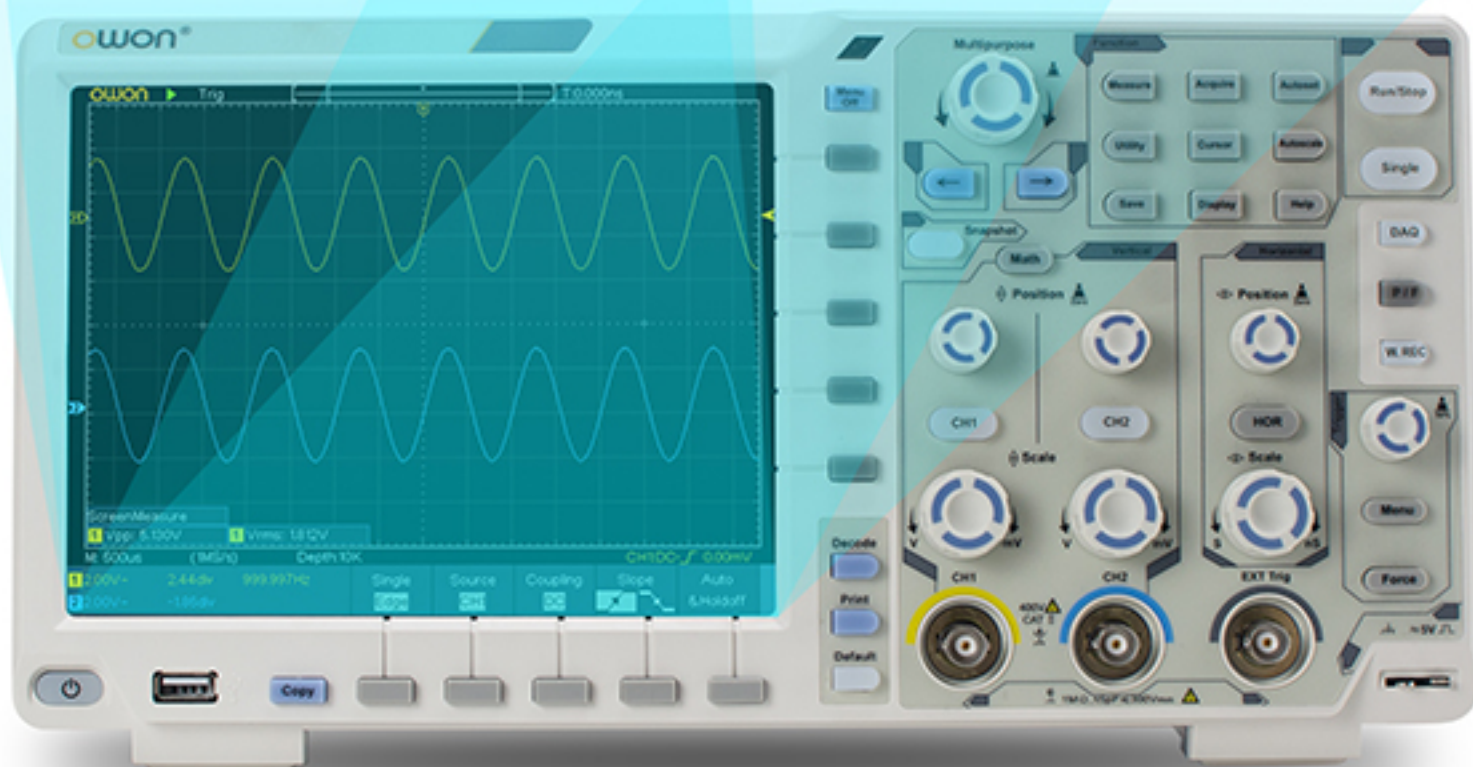
FFT spectrum analyzer



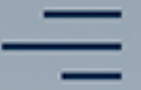
frequency counter



protocol analyzer



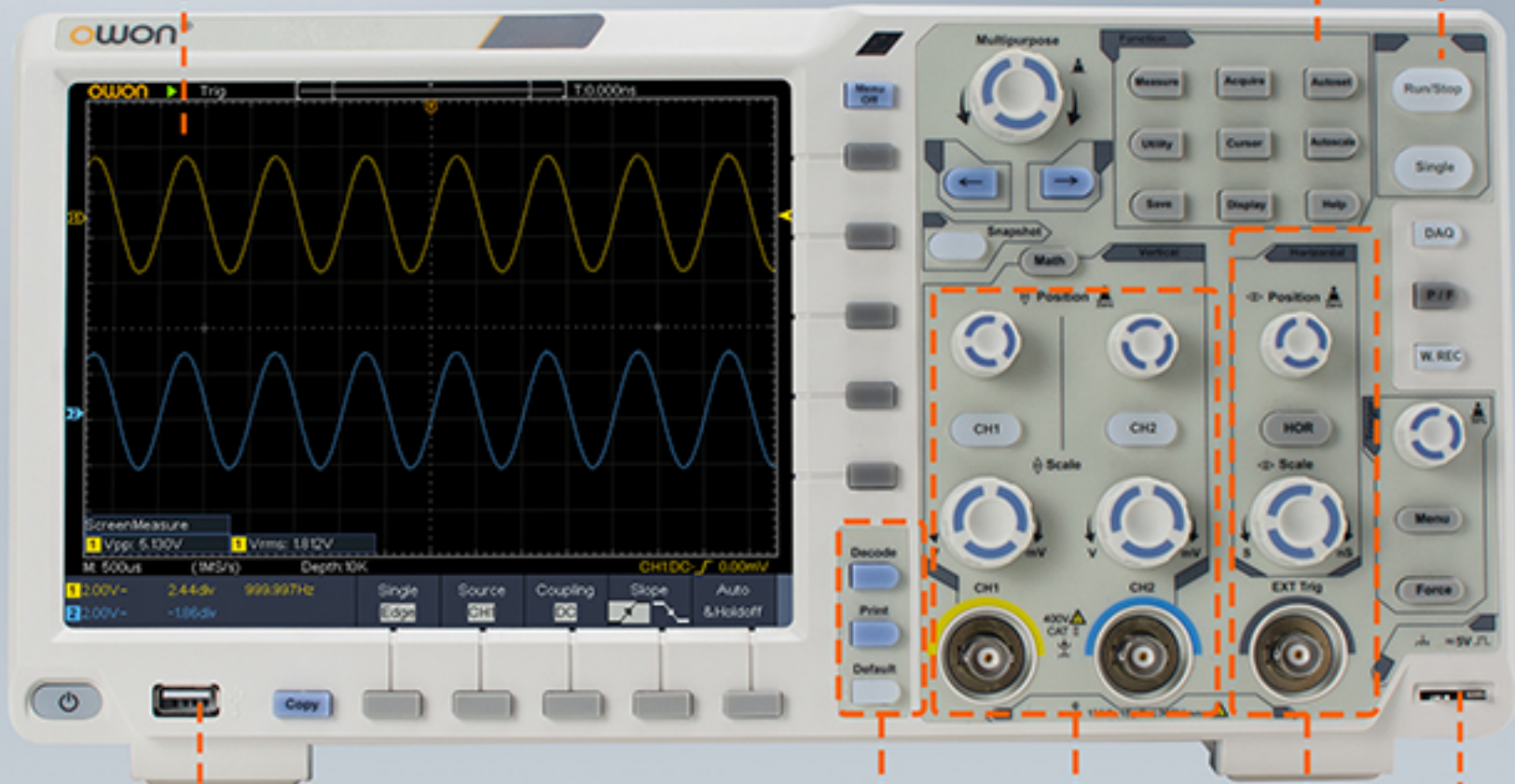
Production Appearance



8 inches (800 × 600)
High resolution LCD screen,

Common Function
Selection Area

Execution control



USB

Decoding and
frequency meter

Vertical
control area

Horizontal
control area

probe
compensation



Trigger output

USB Device, LAN, VGA

Fuse (2A, T class, 250V)

Product Parameters



Model	XDS2102	XDS2202
Bandwidth	100MHz	200MHz
Sample Rate	1GS/s	
Record length	40M or 80M(optional)	
Waveform Refresh Rate	75,000 wfms/s	
Horizontal Scale (s/div)	2ns/div - 1000s, step by 1 - 2 - 5	
Rise Time (at input, typical)	≤3.5ns	≤1.75ns
Channel	2 + 1 (external)	
Display	8" color, 800 x 600 pixels touch screen LCD	
Channel Isolation	50Hz : 100 : 1, 10MHz : 40 : 1	
Max Input Voltage	1MΩ ≤ 300Vrms	
DC Accuracy	1mV:±4%; ≥2mV:±3%;	
Probe Attenuation Factor	0.001X - 1000X, step by 1 - 2 - 5	
LF Respond (AC, -3dB)	≥10Hz (at input, AC coupling, -3dB)	
Interpolation	sin(x) / x	
Input Coupling	DC, AC, and GND	
Vertical Sensitivity	1mV/div - 10V/div (at input)	
Trigger Type	Edge, Video, Pulse, Slope, Runt, Windows, Timeout, Nth Edge, Logic, I ² C, SPI, RS232, and CAN	
Bus Decoding	I ² C, SPI, RS232, and CAN	
Trigger Mode	Auto, Normal, and Single	
Vertical Range	±2V(1 mV/div - 100mV/div); ±200V (200 mV/div -10 V/div)	
Line / Field Frequency (video)	NTSC, PAL and SECAM standard	
Cursor Measurement	ΔV, and ΔT between cursors, ΔV and ΔT between cursors, and auto- cursors	
Automatic Measurement	Vpp, Vavg, Vrms, Freq, Period, Peak RMS, Cursor RMS, Vmax, Vmin, Vtop, Vbase, Vamp, Overshoot, Phase, Preshoot, Rise Time, Fall Time, +Width, -Width, +Duty, -Duty, Duty Cycle, Delay A→B ↑, Delay A→B↓, +Pulse Count, -Pulse Count, Rise Edge Count, Fall Edge Count	
Waveform Math	+, -, ×, ÷, FFT, FFTrms, Intg, Diff, Sqrt, User Defined Function, digital filter (low pass, high pass, band pass, band reject)	
Waveform Storage	100 waveforms	
Lissajou's Figure	Bandwidth	full bandwidth
	Phase Difference	±3 degrees
Communication Interface	USB Host, USB Device, Trig Out (P/F), LAN, and VGA	
Frequency Counter	available	
Power Supply	100V - 240V AC, 50/60Hz, CAT II	

Specifications subject to change without prior notice.

Packaging & Accessories



- ① main host
- ② Quick Guide
- ③ USB Cable
- ④ Probe
- ⑤ Power Cord
- ⑥ Probe Adjust

Product size: (L:340mm x W:177mm x H:90mm)

Net weight of product 2.6 kg

Product gross weight 4.06 kg