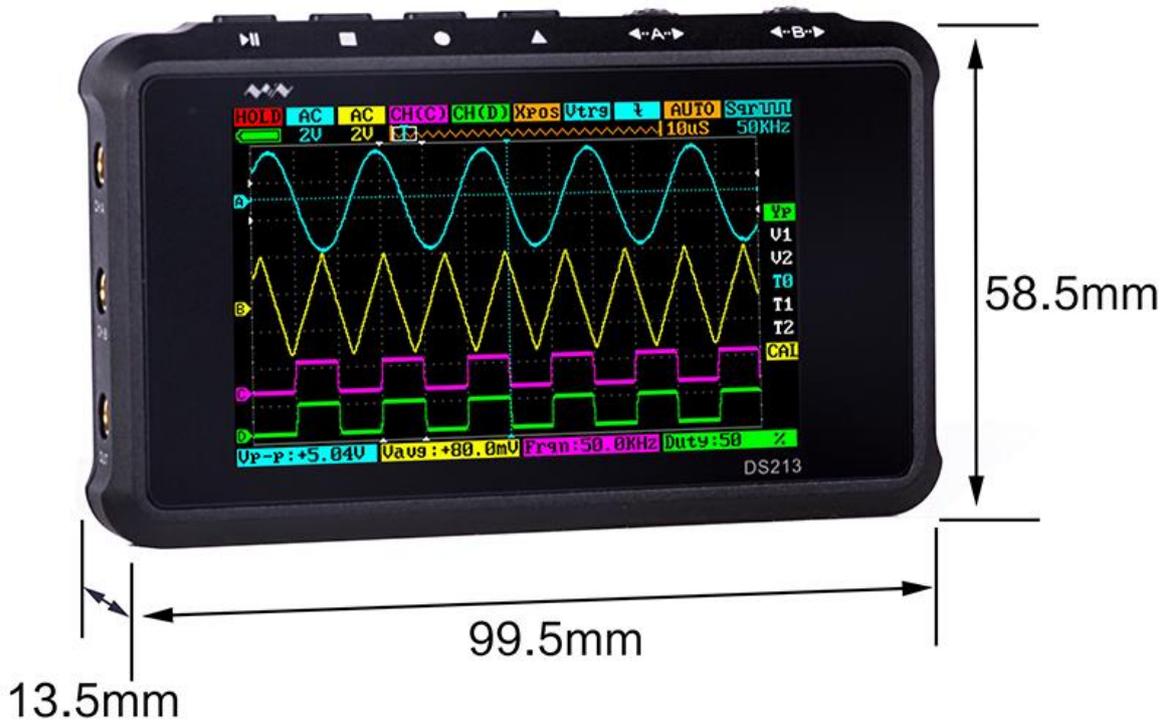# SEEED-109990366

PRODUCT DETAILS

Features

- High sampling rate of 100MSa/s
- Waveform storage and playback
- Build-in 8MB USB.
- 5-track-4-channel
- Color display

Description

The DS213 is a 5-track 4-wire universal electronic engineering task handheld digital storage oscilloscope based on the ARM Cortex M3 core. Using the FPGA's external ADC's management control and data cache mode of operation, it provides four application partitions for loading and upgrading up to four different application firmware. With a built-in 8MB USB stick, users can store waveforms and upgrade the system firmware.

Specifications

Specification	Details
Max. sampling rate	100M Sa/s
Analog channel signal bandwidth	15M
Analog channel standard input impedance	1MΩ
Analog channel input coupling	AC/DC
Analog channel maximum input voltage	±40V (×1 Probe)
	±400V (×10 Probe)
Horizontal scan time base range	100nS/Div-1S/Div(1-2-5 Step)
Analog channel input sensitivity range	10mV/Div-10V/Div(1-2-5 Step)
Digital channel standard input impedance	100KΩ
Digital channel maximum input voltage	5V
Trigger type	Edge trigger, Pulse width trigger
Trigger mode	Auto,Normal,Single,Slow
Measurement signal	Signal frequency, period, duty cycle, positive pulse width, negative pulse width, voltage peak-to-peak value, effective value, average value, maximum value, minimum value
Signal source	0Hz ~ 8MHz square wave, 10Hz ~ 20KHz sine wave / triangle wave / sawtooth wave
Battery	Built-in 1000mAh lithium battery, charging with Micro USB port
Dispaly	Color TFT LCD display (resolution 240×400)
Storage	Built-in U disk storage capacity of 8MB, can store waveform data and waveform images

45mm

197mm

108mm

MINIWARE

DS213

Mini Oscilloscope

15MHz Bandwidth
100M Sa/S Sampling Rate
2 Analog & 2 Digital Channels
1 Signal Out

58.5mm

99.5mm

13.5mm

DS213

Part List

- 1 x DS213 Oscilloscope Host
- 1 x X10 Probe Analyzer
- 1 x X1 Probe Analyzer
- 1 x Data Line
- 1 x Allen Wrench
- 1 x User Manual
- 1 x Warranty Card