

***This 4 channel mini digital oscilloscope provides a real-time sampling rate of 72 MSa/s with integrated FPGA and high speed ADC as an ideal choice for common electronic engineering tasks.***

## Overview

This 4 channel mini digital oscilloscope is ideal for common electronic engineering tasks. It is based on ARM cortex M3 (STM32F103VCT6) 32 bit platform and provides a real-time sampling rate of 72 MSa/s with integrated FPGA and high speed ADC. It performs waveform storage and playback. It has an internal 2 MB USB disk to store waveforms, user applications and for firmware upgrades. Scheme and source files are also open for application development.



## Features

- ✓ Portable and lightweight
- ✓ Firmware upgrade
- ✓ Waveform storage and playback
- ✓ Open Source
- ✓ High performance, 72 MSa/s real-time sampling rate
- ✓ 4 programmable space for user application program 32 standard or built-in waveforms

## Technical Specifications

Display	Full Color 3" TFT LCD 400 × 240
Input Channel	Analog: CH(A)/CH(B) Digital: CH(C)/CH(D)
Max Sample Rate	72 MSa/s, 8 bit
Sample Memory Depth	4096 points for each channel
Vertical Scale	20 mV to 10 V/div(xl probe)
Vertical Resolution	8 bit
Horizontal Sensitivity	0.1 us/Div to 1 s/Div
Horizontal Position	Adjustable
Input Coupling	AC/DC
Input Impedance	> 800 kΩ
Max Input Voltage	80 V <sub>pp</sub> (xl probe)
Trigger Type	Auto, Normal, Single, SCAN, None
Trigger Source	CH1/CH2/EXT
Signal Generator	Sine/Triangle/Saw/Square, 10 Hz to 20 kHz
Storage	Internal 2 MB USB disk, BMP, DAT file
Auto Measure	Max, Min, V <sub>bt</sub> , FPS, V <sub>pp</sub> , V <sub>dc</sub> , RMS
Sampling Mode	Real time
Dimension	98 mm × 60 mm × 14.5 mm
Weight	80 g (without battery)
Accessories	2 mcx oscilloscope probe/battery



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