

Oscilloscope & Function Generator

Motivation

- Affordable, light
- programmable



Tektronix TBS1052C
 2 Channel Digital...
NT\$18,936.75
[RS Taiwan...](#) & more
 4.6 ★★★★★ (5)



Tektronix 465B
 Oscilloscope
NT\$3,892.51 Pre-ow...
[eBay - tec...](#) & more
 4.6 ★★★★★ (37)



Tektronix TBS1102C
 2 Channel Digital...
NT\$43,499.40
[RS Taiwan...](#) & more
 4.4 ★★★★★ (10)



TDS320 Tektronix
 Digital Oscilloscope
NT\$2,141.05 Pre-ow...
[eBay - you...](#) & more
 4.6 ★★★★★ (7)



Tektronix TBS1072C
 2 Channel Digital...
NT\$30,538.20
[RS Taiwan...](#) & more
 4.0 ★★★★★ (1)



Hantek 2C42 手持式
示波器萬用表 2 合...
NT\$3,293.62 (\$110)
[Amazon.com](#) - Seller
 3.0 ★★★★★ (2)



免運【臺灣出貨】
TOOLTOP ET120...
NT\$2,208.00
[蝦皮購物](#)
 4.0 ★★★★★ (1)

Features

- Oscilloscope
 - cursor, trigger, measure...
- Function generator
 - waveform: sine, square...
- Filter, signal processing
- Transmission
 - USB, BLE, or ethernet

Board and Modules

- STM32F746G
 - LCD touch screen
- encoder
- signal generator

Techniques

- TIM
 - timer triggered adc conversion
- ADC
- DSP
- power saving
 - lower sampling rate if lower frequency signal detected
 - turn off LCD when idle