

built-in decoders for a variety of protocols including CAN, I2C, JTAG, SPI, UART and more.

24 MHZ 8CH

USB Logic Analyzer



information can refer to the link [The PulseView software](#)

INTRODUCTION

The logic analyzer is a kind of waveform test equipment. It collects the specified signal and displays it to the user through graphical or statistical data. The user analyzes the error

in the hardware or software according to the protocol through these graphical timing sequence signals.

- This popular low-cost 8-channel analyzer

can be used with Sigrok's open source software PulseView, and it is also compatible with copyrighted Saleae logic analysis software. Please be careful to use the copyrighted software.

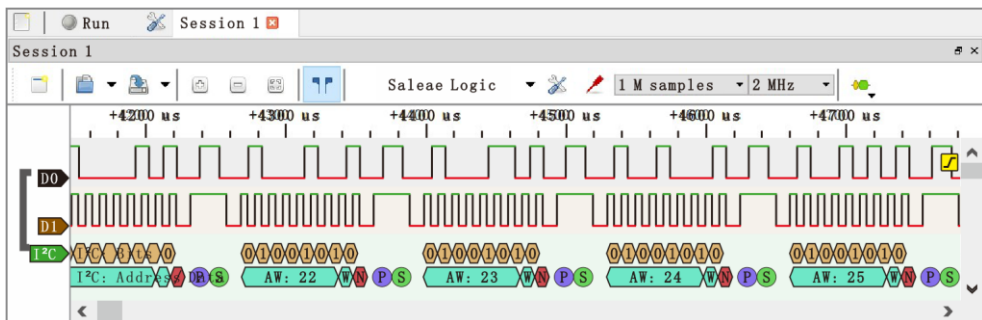
- When used with logic analysis software such as PulseView, you can capture and decode up to 8 digital channels at a maximum sample rate of 24MHz. The software includes [form=cross-i686-w64-mingw32/lastSuccessfullBuild/artifact/pulseview-NIGHTLY-32bit-static-release-installer.exe](#)

- For more information about the PulseView please visit the sigrok wiki site: https://sigrok.org/wiki/Main_Page
- For more detailed instructions on using the USB Logic Analyzer, please download it from the below link https://www.uctronics.com/download/Amazon/U6041_PulseView.pdf https://www.uctronics.com/download/Amazon/U6041_Saleae.pdf

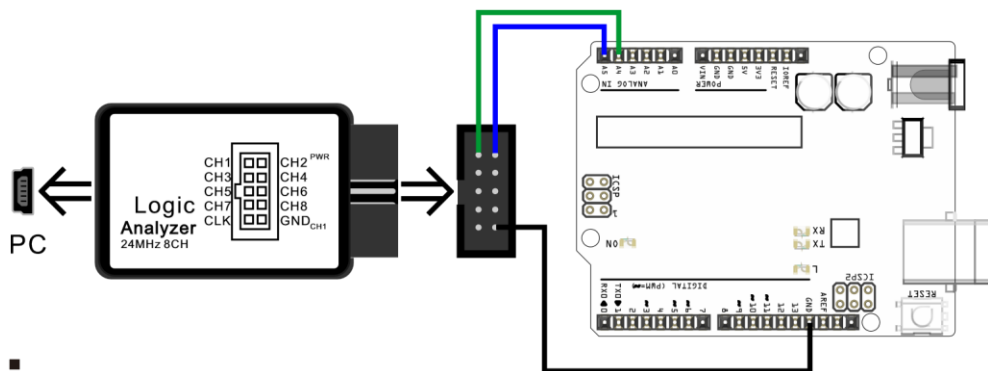
Note: Analysis software from Saleae, the copyright is owned.

FEATURES

- The number of channels: 8
- Sampling rate: 24MHZ
- Led power indicator
- Led logic level indicator for channel 0
- Powered by USB
- Sampling death: 1T
- Sample rate type: 24MHz, 16MHz, 12MHz, 8MHz, 4MHz, 2MHz, 1MHz, 500KHz, 250KHz, 200KHz, 100KHz, 50KHz, 25KHz
- Voltage range: 0-5.5V Voltage threshold: 1.5V. Below 1.5V will be considered low level, between 1.5V and 5.5V , will be considered high level.
- Sampling rates at 4MHz and above will be dependent on system performance including the speed of your computer and the USB interface it is connected to.



QUICK START GUIDE



Step1: Install the logic analysis software
Step2: Connect the hardware. In the user

SIGNAL COLLECTION

- Let us take the PulseView as an example.

guide, we connect the A4(UNO) to CH1 and A5(UNO) to CH2 and GND(UNO) to GND. You can refer to the above picture Step3: Add

- protocol decode. In this user guide, we add I2C protocol Step4: Set the trigger signal mode
- Step5: Click run to collect signal Step6:
- You can analyzes the i2c data according to the protocol through these graphical timing

TROUBLE SHOOTING

In general, as long as your computer is fast enough and there is no interference from other USB devices, there is no problem with the logic analyzer reaching a sampling frequency of 24M. However, if the current USB device is being used by other devices, the maximum sampling frequency may be lower by one or two levels, such as 16M, 12M, and so on.

- If you want to maximize the sampling rate for your computer, more detailed information Please refer to the Operation Manual.

PRODUCT DISCLAIMER

- This cost-effective 8-channel analyzer can be used in conjunction with PulseView, an open source software by Signok. It is also compatible with the logic analyzer software Saleae, to which the copyright is owned.