

# 3DPiXX™

*LCD shutter glasses*



## FEATURES

- 3D SYNCHRONIZATION USING IR EMITTER
- ADJUSTABLE TIMING CAN SUPPORT MULTIPLE DISPLAY TYPES
- RECHARGEABLE LITHIUM POLYMER BATTERY VIA MINI USB PORT
- 60 HOURS CONTINUOUS USE PER CHARGE
- TRANSMIT SIGNAL UP TO 10 FT
- MULTI FREQUENCY OPERATION 50/100, 60/120 Hz
- ONLY 50 GRAMS AND FITS OVER MOST PRESCRIPTION GLASSES
- INTEGRATION WITH DATAPiXX, VIEWPiXX, PROPiXX, MATLAB, AND VPiXX PROGRAM

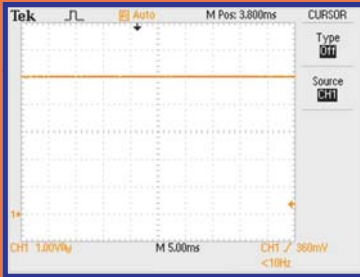
## OVERVIEW

Our 3DPiXX IR emitter and glasses are designed for ease of use and simple maintenance: rechargeable through USB, a folding design for compact storage, and easy to clean with sanitizing wipes. The 3DPiXX kit can be synchronized with DATAPiXX, VIEWPiXX and PROPiXX systems.



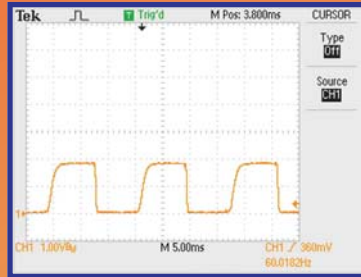
[www.vpixx.com](http://www.vpixx.com)

# 3DPiXX BENCHMARK



LED ONLY

1



GOGGLES TOGGING

2



RISE TIME

3



FALL TIME

4

## GRAPHICS DETAILS

1

Shows the photodiode amplifier output when the goggles have been removed from the optical path. As you can see, we have trimmed the amplifier gain to output +5V when the goggles are absent.

2

Shows the amplifier output when the 3D goggles have been inserted into the optical path. One observation which can be made from this shot is that the peak voltage is over 1.8V, implying an open transmission exceeding 36%.

3

Zooms in on the rising edge of the waveform, which corresponds to the opening time of the goggles. The "Cursor 1" and "Cursor 2" markers have been placed at the 10% and 90% levels of the rising edge. The scope measures the distance between these two cursors as 1.4 milliseconds.

4

Zooms in on the falling edge of the waveform, which corresponds to the closing time of the goggles. The "Cursor 1" and "Cursor 2" markers have been placed at the 90% and 10% levels of the falling edge. The scope measures the distance between these two cursors as 260 microseconds.

## EMPIRICAL DATA SUMMARY

**36% open transmission**

**1.4 millisecond opening time**

**0.26 millisecond closing time**



## ORDERING INFORMATION

DESCRIPTION: 3DPiXX LCD shutter goggles  
P/N: VPX-ACC-8050

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