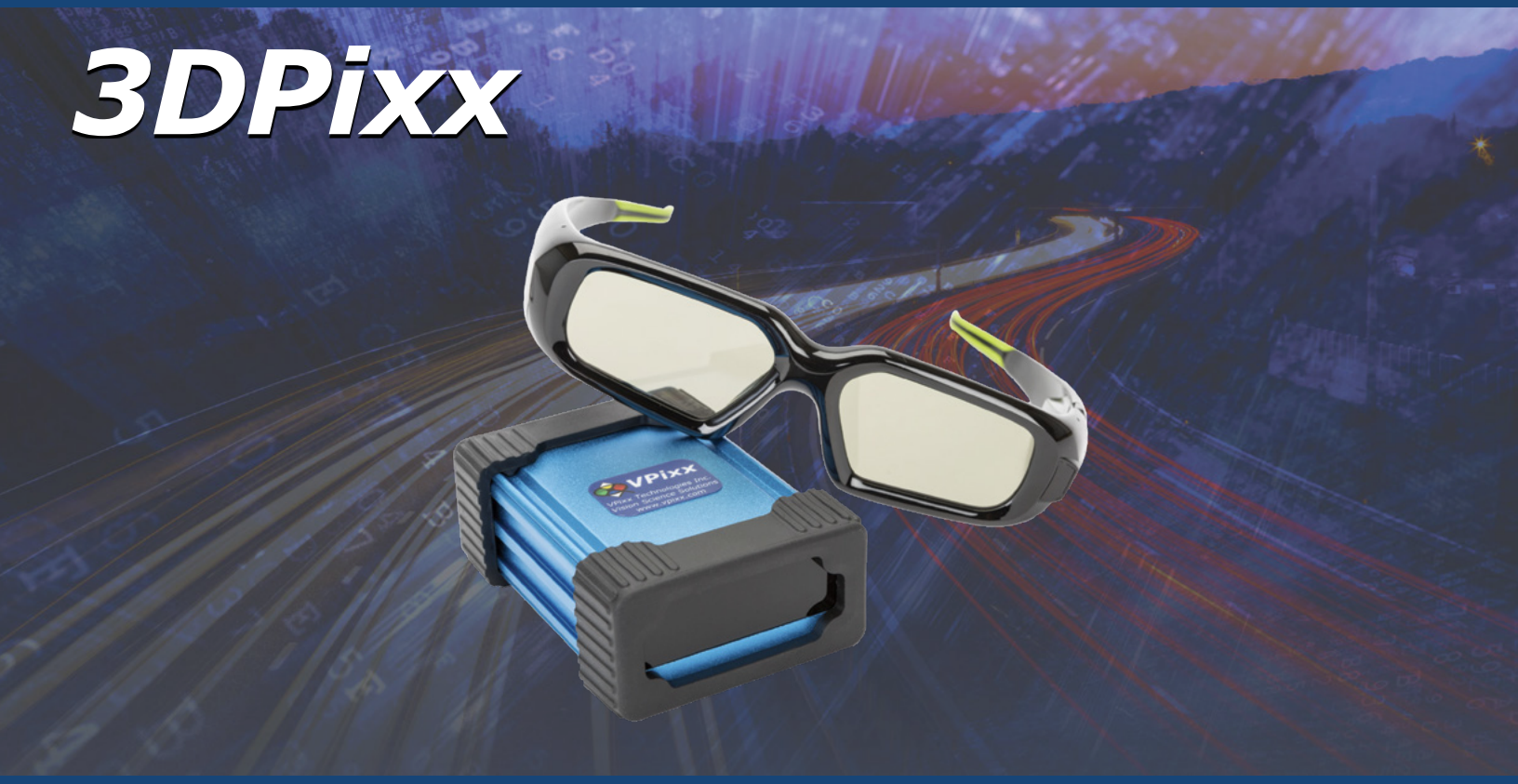
VPixx Technologies
Vision Science Solutions

VideoBahn™
The NEW fast road to SUPERIOR data

3DPixx



- Transmit signal up to 10 ft
- multi-frequency operation 50/100, 60/120 Hz
- Only 50 gram and fits over most prescription glasses
- Integration with DATAPixx, VIEWPixx and PROPixx
- 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

120 Hz
LCD Shutter Glasses

OVERVIEW

The 3DPixx IR emitter and glasses are designed for ease of use and simple maintenance: USB-rechargeable, folding design for compact storage and easy to clean with sanitizing wipes. The 3DPixx kit can be synchronized with DATAPixx, VIEWPixx and PROPixx systems.

SYMBIOTIC DEVICES

Authorized Distributor

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e team@symbioticdevices.com.au
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Mount Waverley, VIC 3149

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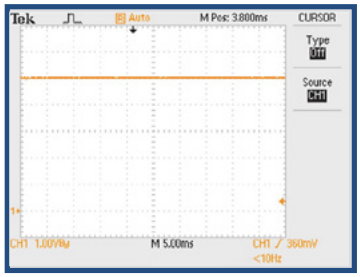
630 Clairevue West, suite 301
Saint-Bruno, QC Canada, J3V 6B4

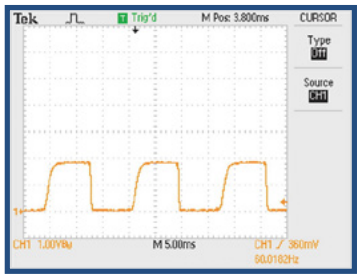
SPECIFICATIONS

3DPixx BENCHMARK



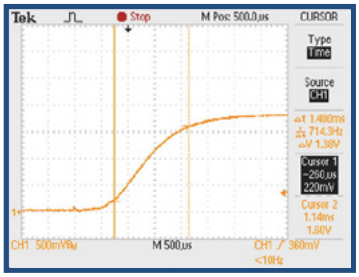
LED ONLY

1



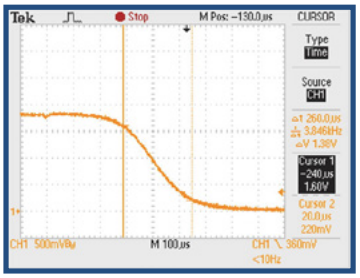
GOGGLES TOGGLING

2



RISE TIME

3



FALL TIME

4

GRAPHIC DETAILS

1 Shows the photodiode amplifier output when the goggles are removed from the optical path. As can be seen, the amplifier gain has been trimmed to output +5V when the goggles are absent.

2 Shows the amplifier output when the 3D goggles are inserted into the optical path. Notice 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 are 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 are 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

SOFTWARE

Software support includes a low-level ANSI C API, MATLAB/Octave and Python libraries for use under Mac OS X, Microsoft Windows, and Linux

ORDERING INFORMATION

Description: 3DPixx LCD shutter glasses

P/N: VPX-ACC-8050