

# RealTime Stereo 3D visualization without glasses

## GLASSES-FREE 3D

Outstanding 3D perception with superior stereo image separation without the need of 3D glasses

## REALTIME VISUALIZATION

High performance signal processing to visualize your stereo signal in less than 100ms

## PLUG´N´PLAY

Pre-configured demo bundle with all required tools and settings for zero-configuration 3D experience

- connect your signal
- start the demo PC
- enjoy 3D



# DEMO BUNDLE

## 13,3" Black-Matrix Stereo Display

your stereo signal  
from camera or PC



any stereo 3D  
application



our solution

3D Global Solution's RealTime Multiplexer "RT-MUX" is a small PC that captures the stereo signal from your source, processes the images and outputs the 3D signal to the autostereoscopic 3D display.

The input source could be any stereo PC-output or camera signal, either as separate channels (left & right) or in established Side-by-Side format.

Since the RT-MUX-PC is completely preconfigured, you can handle it as a "black box" without the need of adjusting or setup effort.

The total latency for signal processing and output (from signal input interface to display visualization) is **less than 100ms.**

The unique Black-Matrix stereo visualization on our autostereoscopic 3D display creates several fixed 3D viewing areas in front of the screen, each with highest possible stereo image separation.

Between these 3D areas are black zones that will

- help to position yourself correctly in an 3D area
- avoid incorrect viewing positions with inverted 3D perception (which could cause headache & dizziness)

Several users can position themselves in a 3D area at the same time.

**NO glasses required - NO tracking required**





The bundle consists of an autostereoscopic 13,3" 3D display device and a preconfigured RT-MUX-PC

### Display "D133UHDL"

screen size (diagonal)	13,3" (34cm)
4K high resolution	3840x2160
high brightness	340cd/m <sup>2</sup> (native)
ideal viewing distance	~65cm

high end 3D image separation by 3D Global's patented sandwich filter technology combined with 3D Global Solution's 35-Channel Black-Matrix-Stereo mapping.

### RT-MUX-PC "DEMOPC\_NUC\_RT-MUX"

high performance i7 processor  
 high end graphics with 2160p / 60 Hz output  
 high speed signal processing (~80ms)  
 2 versions of integrated capture device available:

- DUAL HDMI (up to 2x1080p/60Hz)
- DUAL 3G-SDI (up to 2x1080p/60Hz)

fully preconfigured setup to ensure optimal and effort-free 3D experience with your signal sources.

## Requirements

**Stereo signal source**, e.g. PC or camera

- **HDMI** or **SDI** interface with signals up to 1080p / 60Hz (please specify what you're using)
- **full screen** stereo content (application windows not supported!), either in
  - 2 separate lines (left & right image), or
  - 1 line with left & right images combined in Side-By-Side format



## Offer

### 3-WEEKS LOANER

- full support



### Acquisition / purchasing bundle

- full support

