RealTime Stereo 3D visualization without glasses

13,3" Black-Matrix Stereo Display

The 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 as separate channels (left & right) or in established Sidy-by-Side format. Since the RT-MUX-PC is completely **preconfigurated**, 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.

GLASSES-FREE 3D	REALTIME VISUALIZATION
Outstanding 3D perception with superior stereo image separation without the need of 3D glasses	High performance signal processing to visualize your stereo signal in less than 100ms

Product information
DEMO BUNDLE

Stereo signal from camera or PC

Any stereo 3D application

Our solution

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

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

Display "D133UHDL"		RT-MUX-PC "DEMOPC_MIF_RT-MUX"	
screen size (diagonal)	13,3" (34cm)	High performance processor	4x3,7Ghz
4K high resolutoion	3840x2160	High end graphics	mit 2160p / 60 Hz Ausgabe
High Brightness	340cd/m² (nativ)	High speed signal processing	~90ms
Ideal viewing distance	~65cm	Integrated capture devices	2 versions: • DUAL HDMI (up to 2x1080p/60Hz) • DUAL 3G-SDI (up to 2x1080p/60Hz)
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.		Fully preconfigured setup to ensure optimal and effort-free 3D expierince 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

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