

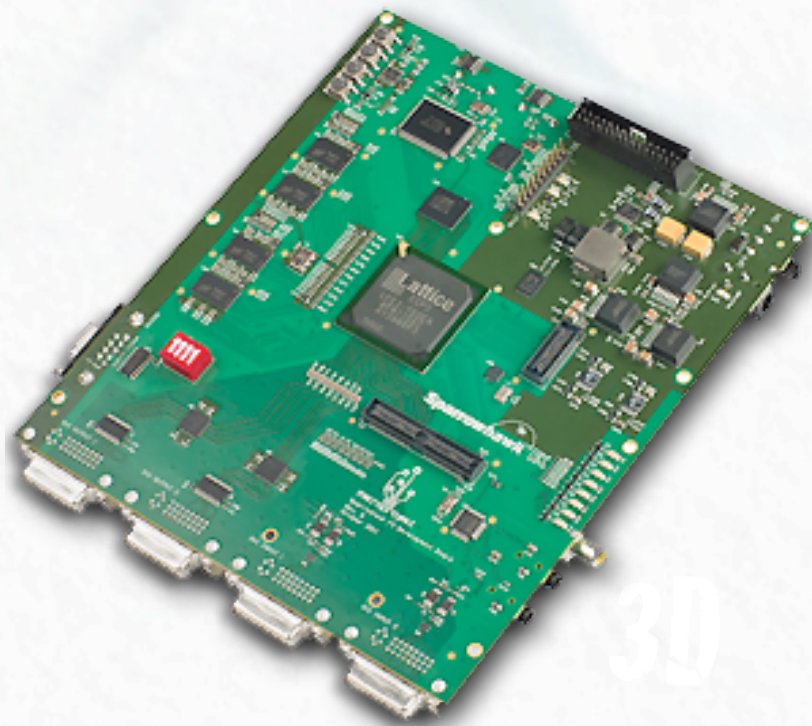
3D Impact Media AG

Specialists in Glasses-free 3D Technologies



RealityBox

RealityBox: Real-time Conversion on Lattice ECP3



RealityBox is a real-time image and video conversion hardware platform for creating stereoscopic (S-3D) or auto-stereoscopic (AS-3D) content from monoscopic (2D) or stereoscopic (S-3D) source content. RealityBox is a prototype implemented on a Lattice ECP3 to show the full functional conversion capabilities. More cost efficient solutions can be generated out of the existing IP depending on the customer requirements.

The RealityBox is programmed with a defined feature set and can be controlled by an OSD.

The RealityBox supports the following input formats:

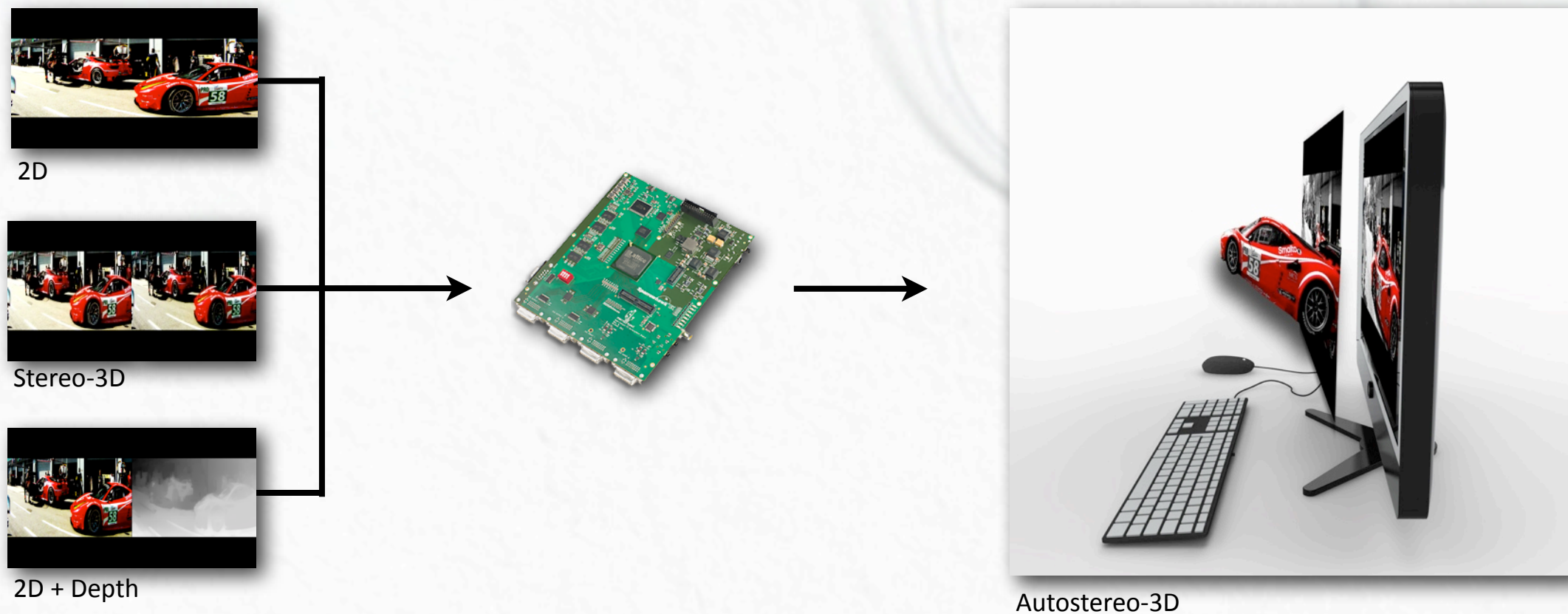
- a) 2D material, 1920x1080p@ 50 or 60Hz
- b) S-3D, side-by-side half encoded in 1920x1080p@50 or 60 Hz
- c) 2D plus Depth, side-by-side half encoded in 1920x1080p@50 or 60 Hz

All IP cores can be licensed from 3D Impact Media. We also offer design, optimization and customization services.

3D MADE EASY!

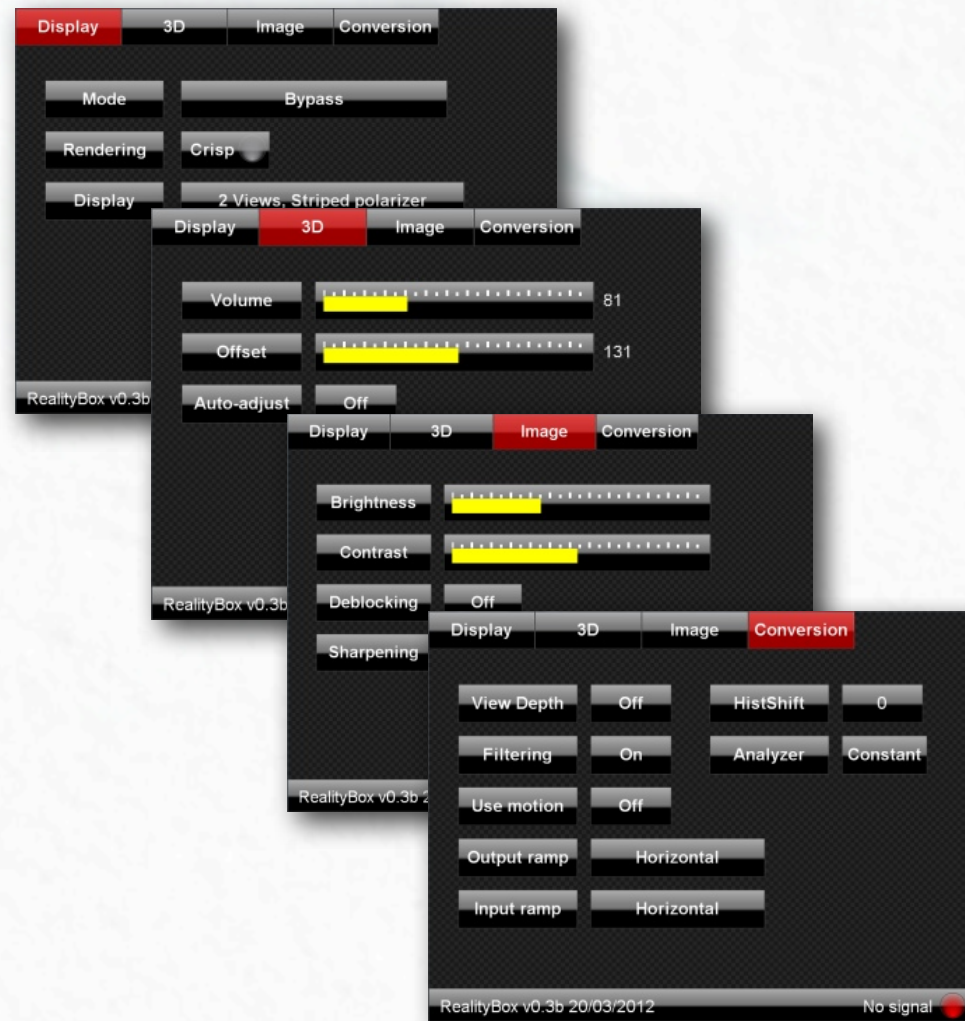
Real-time conversion for Glasses-free 3D

- 2D to AS-3D/Glasses-free 3D
- Stereo-3D to AS-3D/Glasses-free 3D
- 2D+Depth to AS-3D/Glasses-free 3D



3D MADE EASY!

OSD for 3D settings & Image adjustments



- **VOLUME** - Changes the 3D volume of the content
- **ZEROPLANE** (offset) - Changes the 3D zeroplane of the content
- **AUTOADJUST** - Enables auto adjustment of 3D volume and zeroplane
- **CONVERSION** - Optional parameters for optimization of the picture quality
- **CONTRAST** - Enables changing of the contrast
- **SHARPENING** - Changes the strength of the image sharpness
- **BRIGHTNESS** - Enables changing of the brightness

3D MADE EASY!

Contact:

3D Impact Media AG

Kernserstrasse 31
6061 Sarnen
Switzerland
+41 (0) 41 661 22 06
email: realitybox@3dimpactmedia.com

3D Impact Technologies GmbH

Orleanstrasse 34
81667 Munich
Germany
+49 (0) 89 800 37 148
email: realitybox@3dimpactmedia.com

3D MADE EASY!