DEPTHGATE
CONVERTS STEREO CONTENT INTO GLASSES-FREE 3D

DepthGate

TRIAXES DEPTHGATE SOFTWARE CONVERTS 3D GLASSES (L&R STEREO, 3D TILE) VIDEO CONTENT INTO GLASSES-FREE 3D FORMATS (2DZ, 3DZ TILE AND N-VIEW)

MULTIPLE INPUT FORMATS

DepthGate enables the user to use stereo streams stored in separate files as well as side-by-side or 3D Tile video. DepthGate supports common compression standards and file formats such as WMV, MPEG-2, MPEG-4 and AVC
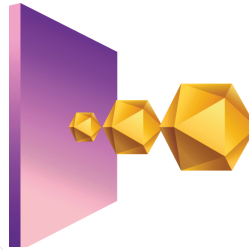
AUTO ADJUSTMENT AND FLEXIBLE SETTINGS

DepthGate automatically corrects color and aligns input video for both 3d glasses and glasses-free output formats. DepthGate enables the user to customize processing settings individually at the scene level

GLASSES-FREE CONTENT

DepthGate automatically calculates depth information for both Left and Right source channels (2DZ). This depth information can be used to render multiview series of frames (N-View) for certain models of glasses-free 3D displays

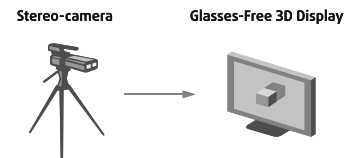**OUTPUT 3D FORMATS FOR GLASSES AND GLASSES-FREE 3D TV**

DepthGate outputs video in 3D glasses (side-by-side, 3D Tile) and glasses-free 3D (2DZ, 3DZ Tile and N-View) formats

3DCAMTUS
CAPTURES STEREO VIDEO AND OUTPUTS IT TO GLASSES FREE 3D DISPLAYS

3DCamtus

TRIAXES 3DCAMTUS SOFTWARE CAPTURES, SYNCHRONIZES AND CONVERTS STEREO VIDEO INTO A GLASSES-FREE 3D FORMAT (2DZ) AND OUTPUTS IT TO GLASSES-FREE 3D DISPLAYS

Stereo-camera   **Glasses-Free 3D Display**

REAL TIME VIDEO CAPTURE

3DCamtus captures two channels of uncompressed video from a rig-type or twin-lens 3D camera via HDMI or HD-SDI

AUTO ADJUSTMENT

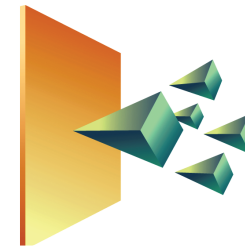3DCamtus automatically corrects color and aligns input video

MULTIPLE OUTPUT FORMATS

3DCamtus lets you get the source video in different video formats: 2D, glasses 3D (side-by-side) and glasses-free 3D (2DZ)

ADJUSTMENT FLEXIBILITY

3DCamtus lets you:
- select a capture device and an output format (2D, side-by-side, 2DZ)
- adjust depth map generation parameters
- set parallaxes automatically
- save and open a working session
- show a DS graph and get easy access to all DS filters settings

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Triaxes 3DZ SDK

TRIAXES 3DZ SDK IS A SOFTWARE KIT FOR DEVELOPING APPLICATIONS AIMED AT CREATING AND PROCESSING AUTOSTEREOSCOPIC VIDEO

SDK INCLUDES:

TRIAXES 3DZ TILER MODULE:

- a stereo pair as an input
- automatic depth map calculation
- flexible depth map generation parameters adjustment
- automatic parallax detection
- input video streams autoalignment
- multiple output formats: 2D, side-by-side, 2DZ, 3DZ Tile

TRIAXES 3DZ PARSER MODULE:

- 3DZ Tile as an input
- 3DZ Tile to multiple video formats parsing: 2D, side-by-sie, 2DZ
- 3D header applying that allows to output 3D video to Dimenco ASD

TRIAXES SYNCHRONIZER MODULE:

synchronizes two stereo streams to one side-by-side video stream

SDK's software modules are implemented within the Microsoft® DirectShow® technology.

SDK also includes the source code of Triaxes 3DCamtus software as a sample application demonstrating the usage of 3DZ Tiler, 3DZ Parser and Synchronizer modules. 3DCamtus captures video from a stereoscopic camera, synchronizes it using Triaxes Synchronizer, calculates a depth map (Z) using Triaxes 3DZ Tiler and playbacks it on Dimenco (Philips) autostereoscopic display using Triaxes 3DZ Parser.

With the SDK you get a commercial license for each component and 3DCamtus, as far as its source code and documentation on how to configure the modules.

Triaxes Studio

2D TO 3D CONVERSION SERVICE

The studio provides services for all kinds of conversion to 3D glasses (left and right, top and bottom, 3D Tile) and glasses free (2DZ, 3DZ Tile, N-View) 3D formats. As input we take common 2D videos and all types of stereo content.

TRIAXES®
3D video & photo software

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