



DEPTHGATE
CONVERTS GLASSES 3D CONTENT INTO GLASSES-FREE 3D

TRIAxes DEPTHGATE SOFTWARE
CONVERTS 3D GLASSES VIDEO CONTENT INTO
GLASSES-FREE 3D FORMATS. THE PROGRAM
AUTOMATICALLY CORRECTS COLORS AND
ALIGNS INPUT VIDEO FOR BOTH 3D GLASSES
AND GLASSES-FREE OUTPUT FORMATS.

MULTIPLE INPUT FORMATS

DepthGate enables the use
of stereo streams stored in
3D Tile Format, separate
files or side-by-side video.
DepthGate supports
common compression
standards and file formats
such as WMV, MPEG-2,
MPEG-4 and AVC.

FLEXIBLE SETTINGS

DepthGate empowers
users to customize
processing settings
individually at the scene
level.

GLASSES-FREE CONTENT

DepthGate automatically
calculates depth
information (Z) 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.

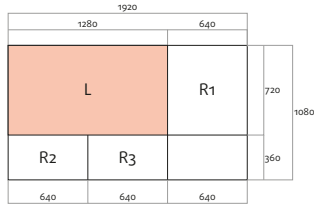
OUTPUT 3D FORMATS FOR GLASSES AND GLASSES-FREE 3D TV

DepthGate generates
processed video in 3D
glasses (3D Tile and
side-by-side) and
glasses-free 3D (2DZ, 3DZ
Tile and N-view) formats.

Sisvel Technology and **Triaxes Vision**
announce the **Universal 3DZ Tile Format:**

a new way to display 3D Format regardless of the type of display

SISVEL TECHNOLOGY



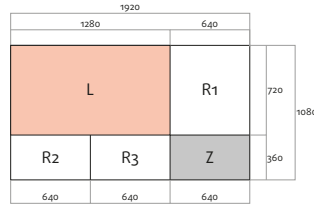
3D Tile Format

TRIAXES



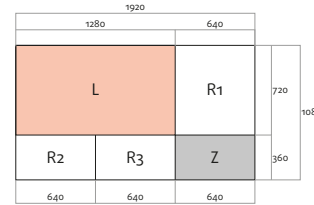
DepthGate

UNIVERSAL



3DZ Tile Format

UNIVERSAL

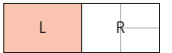


3DZ Tile Format

common 2D displays



glasses 3D displays



autostereoscopic 3D displays



Glasses-free 3D specialists Triaxes Vision and Sisvel Technology's digital television researchers have joined forces to establish a backward compatible video format that delivers high definition 2D and 3D, as well as multi-view glasses-free 3D video within a single bandwidth-efficient stream.

Triaxes Vision has added their **Z** (Depth) algorithms to the Sisvel Technology's **3D Tile Format** which is fully compatible with any type of display whether 2D, 3D or autostereoscopic.

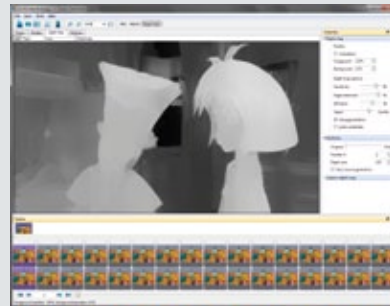
Left and right frames of a **3D Tile** frame have higher resolution compared with the common side-by-side format – 1280 instead of 960, but are still contained within one HD-frame, improving the perception of depth.

3D Tile Format content is fed to Triaxes DepthGate software, which generates a depth map and is integrated within the remaining space of a 3D Tile frame. **3DZ Tile** content is ready to use now. This format is absolutely universal, because one stream is able to provide users with an image regardless of the equipment they have.

3D Tile Format

DepthGate

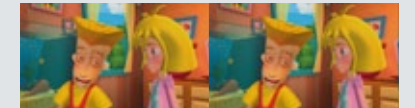
3DZ Tile Format



common 2D displays



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