

We have been developing glasses-free 3D video solutions together with our partner, R&D and technical consulting company Sisvel Technology



www.sisveltechnology.com

SISVEL TECHNOLOGY



www.triaxes.com



## Triaxes 3DZ SDK

Triaxes 3DZ SDK is a software development kit for depth map calculation based on a stereoscopic source and an essential tool for glasses-free 3D video and photo software developers.

### Features

- High-speed depth map calculation
- Real-time mode
- Low-level interface for developers
- 3D Tile, Side-by-Side, Top and Bottom to 3DZ Tile, 2DZ video format conversion
- Raw depth map export
- NVIDIA CUDA support

### Advantages

- 3DZ SDK doesn't depend on any third-party libraries or software
- Several depth map calculation modes are supported for different types of 3D content and purposes. It's possible to get raw depth map data used by researchers or those solving computer vision tasks
- Using NVIDIA CUDA allows to offload the CPU for other tasks. Nowadays CUDA equipment is widely available and is used in the most of the desktop and server systems. Moreover, it's going to become a basis for high performance mobile and embedded systems
- 3DZ SDK is a unique basis for development. Instead of having a product with limited capabilities, users get an opportunity to develop their own competitive product for the growing glasses-free 3D market

3DZ SDK includes all the necessary libraries and header files, a sample application, sample stereo images, documentation and a user guide.

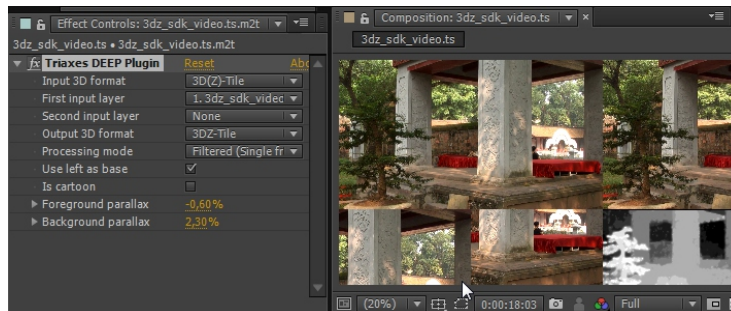
Triaxes 3DZ SDK is free in the 3DZ Tile format video generating mode.

## Triaxes DEEP Adobe After Effects Plugin

Triaxes DEEP AE Plugin is designed on the basis of Triaxes 3DZ SDK.

### Features

- Support of several stereo formats of the source video: side-by-side, 3DZ Tile, separate left and right video channels
- Support of several output glasses-free 3D formats: 2DZ, 3DZ Tile and a separate depth map
- Using CPU and NVIDIA CUDA modes for calculations



The product is available for free testing in the demo mode. You can download the demo or purchase the product from [triaxes.com](http://triaxes.com)

## 3D Software

Software for 3D photo and 3D video content preparation

## 3D Conversion

Photo and video conversion into any 3D format

## 3D Systems

Autostereoscopic 3D displays, 3D converters, 3D players



## 3D Shows

Rental services of glasses-free 3D displays and 3D converters, video production and broadcasting service, full support

## 3D R&D and Software Development

Glasses-free 3D scientific researches and custom software development

Triaxes is one of the world leading developers and service providers of high quality glasses-free 3D solutions. Our professional software is designed to create and refine 3D video and photo materials and will help to turn your ideas into attention grabbing 3D assets. We work closely with major motion picture studios who require flawless 2D to 3D conversion services – a result of our 15 years of developing proprietary technologies and creative processes.

Triaxes is a holistic company that is able to support you at every point in the chain of 3D production and help you tap into the challenging 3D market. We know how to shoot, prepare, broadcast and show different types of 3D video in any part of the world or make amazing 3D pictures. Our clients can be found in 68 countries around the world. We are huge 3D fans, responsible partners and true experts in our field. We look forward to working with you!

WE CAN SHOW ANY EVENT IN 3D YOU CAN EXPERIENCE WITH THE NAKED EYE.  
HERE ARE SOME OF THE 3D SHOWS WE DID:



Glasses-free 3D video conference  
between Tomsk Polytechnical University  
(Russia) and Ravensbourne College  
(London, UK) at the 3D Storytelling event,  
March 2012



Live glasses-free 3D video  
broadcasting in the universal  
3DZ Tile format at the  
Russian Surfing and  
Kitesurfing Contest that took  
place in Vung Tau, Vietnam,  
November 2012



Live glasses-free 3D  
video broadcasting in  
the universal 3DZ Tile  
format at the Russia  
Arms EXPO 2013, IX  
International  
Exhibition of Arms,  
Military Equipment  
and Ammunition,  
September 2013

THIS SOFTWARE IS DESIGNED FOR CREATING AMAIZING LENTICULAR IMAGES  
WITH REALISTIC 3D, FLIP, ANIMATION AND OTHER EYE-CATCHING EFFECTS

