

Z Depth™

3D subtitle editing application

Z Depth is a unique editing application specifically designed for the needs of stereoscopic Blu-ray 3D productions. Z Depth allows you to edit and record the needed offset metadata value for accurate placement of subtitles and interactive graphic menus in the 3D scene of your Blu-ray movie. Using the video processing power of Vegas Pro 10 software, you can watch your movie on a 3D monitor and easily place and position subtitle or menu graphics accurately on the perceptual Z axis. Z Depth records the offset disparity data for use in a stereoscopic Blu-ray 3D authoring application.

NEW FEATURES

Automated Depth Analysis of Stereoscopic Video – Automatically determines the most effective depth value used to assign Z Axis placement for the subtitle or menu graphic event. Depth value analysis can be automated based on time code entries, length of video, or number of graphic events

Enhanced Graphical Offset Value Display – Displays a new visual cue in the preview window during recording of the disparity value being applied to the subtitle or menu event

Subpixel Precision for Digital Cinema – New adjustment options for offset data values allow for subpixel precision when outputting file formats compatible with Digital Cinema 3D productions

Easily Adjust Subtitle Depth

- Use the Z Depth trackbar, the mouse wheel, or the PreSonus® FaderPort® to control depth through tactile response
- Fine tuning can be performed through direct envelope manipulation or by entering specific values via your keyboard

Preview Subtitle Depth

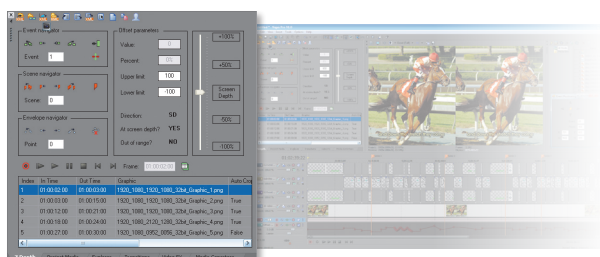
- Preview adjustments in real time
- The Vegas Pro timeline output is delivered via HDMI or DVI to your stereoscopic 3D display or LCD monitor of choice. Output options include side by side, line alternate, anaglyphic and more.
- The content is shown in stereoscopic 3D, with subtitles superimposed using their current offset, allowing you to preview subtitle depth.

Adjust Subtitles in All Dimensions

- In addition to depth, Z Depth provides full control over the X and Y coordinates of your subtitles
- Place a subtitle over any part of the video
- Update the BDN Blu-ray subtitle file with new position information at any point in the process

Create Standard Offset Sequence Metadata

- Export the offset stream to a standard Offset Sequence Metadata file
- Export the subtitle xml data in compliance with the updated BDN file format version 1.00
- Export options include: .xml, .ofs, .dost, .do3d
- Import standard Offset Sequence Metadata files as well as other formats such as XML or CSV containing offset values
- Create a clone of your offset data to use in another project—a great way to get started on subtitles in a different language
- The BD spec-compliant offset metadata files created by Z Depth can be used in any Blu-ray 3D Disc authoring application that supports the BDN + Offset Metadata file specifications.



OTHER FEATURES

- **Compatibility with Vegas Pro 10 3D Feature Set:** Z Depth utilizes the powerful native stereoscopic output modes and timeline support available in Vegas Pro 10 for simplified stereoscopic video production. Users can output in side-by-side, line alternate, anaglyphic, and more for a wider range of production options
- **BDN XML Editing:** Users can edit the BDN XML fields during project sessions, including image file locations, event start and end times, and X and Y coordinates.
- **Z Axis Parallax Limit Settings:** Z Depth Z Axis Parallax Limit settings are user editable and project-specific, allowing for users to determine their own Parallax Limit settings that go beyond preset values
- **Buffer Compensation:** Eliminates the delay in the subtitle depth adjustment that can cause the subtitles to 'jump' on Blu-ray players with limited buffering capabilities.

SYSTEM REQUIREMENTS

- Microsoft® Windows® XP 32-bit SP3, Windows Vista® 32-bit or 64-bit SP2, or Windows® 7 32-bit or 64-bit (Windows Vista or Windows 7 64-bit recommended)
- Intel® Core™ i7 4- or 8-core processor
- 3GB RAM (4GB recommended)
- 1920x1200 or 1920x1080 LCD monitor
- Graphics card with HDMI or DVI output such as NVIDIA® GeForce® 200 series or Quadro® FX series
- Vegas Pro 10.0d or later
- PreSonus Faderport (optional)

For a complete list of Z Depth™ features and for technical specifications, go to www.sonycreativesoftware.com/zdepth

PreSonus FaderPort

No need to click, type, or draw offsets with a mouse. The easy-to-use FaderPort delivers complete transport control for fast and efficient offset recording with an ultra high quality, touch sensitive motorized fader for controlling depth levels on your subtitle tracks. The touch-sensitive, long throw motorized fader on the FaderPort has the feel needed for recording perfect offset values in real-time. The fader in the FaderPort utilizes a dual servo motorized drive belt system for fast-acting, accurate, and smooth operation. The FaderPort's 100mm long throw fader delivers 1024-step resolution for writing ultra-fine and accurate fades and adjustments.

