

# CineFORM

## Comparing 3D Features in Neo3D and Neo

**neo:** Optimized for single-body, dual-lens 3D cameras such as Panasonic's AG-3DA1

**neo3d:** Optimized for dual-camera stereo rigs. Also includes additional professional features as shown in the table.

Features	neo3d	neo
• Create Mastering quality CineForm 3D files from virtually any source format	✓	✓
• Compatible with Adobe CS5, Apple FCS3, Avid MC v5	✓	✓
• Stereo Convergence Adjustment: Horizontal, Vertical, Skew (Rotation)	✓	✓
• Auto-zoom (border crop) for convergence adjustments	✓	✓
• Disparity zoom to correct for mismatched lens focal lengths	✓	✓
• 3D Display modes through OpenGL:		
- Anaglyph: Red-Cyan, Amber-Blue, Green-Magenta	✓	✓
- HD Frame: side-by-side, over-under, line-interleave	✓	✓
- Active 3D (Nvidia 3D)	✓	✓
• Assist tools for convergence and color adjustments:		
- Grid lines overlay	✓	✓
- Difference mode: (Left – Right)	✓	✓
- Onion skin	✓	✓
- Split screen for stereo color matching	✓	✓
• Stereo Color Controls:		
- Keyframeable color adjustment on stereo files	✓	✓
- 64x64x64 color LUTs with 34 predefined	✓	✓
• 3D Overlay Engine with independent parallax control		
- User-generated text or titles	✓	✓
- Graphics (PNG) overlay	✓	✓
- Tools: histogram, scopes, waveforms	✓	✓
- Burn-in metadata overlay: timecode, filename, etc	✓	✓
• Framing Controls:		
- Crop ratios: 4:3, 3:2, 16:9, 1.85:1, 2.39:1	✓	✓
- Stereo zoom	✓	✓
- Pan and Scan (x, y adjust)	✓	✓
• Support for Tangent Wave control surface for color and 3D adjustments (convenient alternative to software sliders in First Light)	✓	✓
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• Keyframeable convergence (convergence dissolves)	✓	
• Floating Windows to correct for edge violations	✓	
• Ghost Busting to reduce high-contrast ghosting on some passive displays	✓	
• Keystoning correction (correct for camera toe-in/out)	✓	
• Individual-eye color adjustment (for color mismatch between eyes)	✓	
• Depth "tilt" to adjust relative depth of primary objects in a 3D scene	✓	
• Image warping to correct lens distortion (coming later)	✓	
• Dual-link stereo output to drive RealD, Dolby, and XpanD projectors	✓	