

# 3-D IMAGETEK

## 3-D VIDEO ENCODER/DECODER COMBINATION

*“Record, Store, Replay, Display, and Project Stereoscopic 3-D Video”*

Applications include:

***New!!!***

- Education
- Medical
- Tele-robotics
- Stereo microscopes
- Stereo 3D endoscopy
- Unmanned systems
- Inspection . . . Training
- Entertainment



A stereoscopic 3-D (field-sequential) video Encoder *and* Decoder combined into one box . . . just “flip the switch.”  
(Cameras optional)

### **Stereoscopic 3-D Video Encoder (field-sequential):**

The stereoscopic 3-D Video Encoder is *perfect* for recording, storing, or transmitting 3-D video. The 3-D Video Encoder will encode (combine/multiplex) the video signals from two separate CCD video cameras and output a single field-sequentially formatted stereoscopic (3-D) video signal . . .

- **Record and store your 3-D video using any standard VCR or mini-DV player/recorder**
- **Provides an on-screen “split-screen” video mode for viewing/aligning two cameras**
- **Does *not* require gen-locked cameras or video sources:**  
Simply use two standard CCD cameras, VCRs, or even video camcorders
- **Internally processes incoming video at a full 720 x 482 digital resolution**
- **Inputs/Outputs both S-video (Y/UV) and composite video (NTSC/PAL)**
- **Stereoscopic 3-D viewing options include:**
  - Television (TV) with standard low cost LC shutter glasses
  - Head-mounted displays (HMDs)
  - Large screen 3-D video projection systems for classrooms, theaters, or auditoriums

### **Stereoscopic 3-D Video Decoder (field-sequential):**

Perfect for 3-D projection systems or dual input stereoscopic HMDs, the 3-D Video Decoder will separate, restore, and output the left and right eye views from any field-sequentially (NTSC/PAL) formatted 3D video. Images are clear, bright, and flicker free. One video IN . . . Two videos OUT.

Note: The unit will output/convert composite and S-video simultaneously in Encode/Decode modes.

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