

# 3-D IMAGETEK

## STEREOSCOPIC 3-D VIDEO ENCODER

“Transmit or Record 3-D video *without* gen-locked cameras!”

### Applications include:

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



**Stereoscopic 3-D Video Encoder  
(Cameras and HMD optional)**

The 3DI 3-D Video Encoder is *perfect* for recording, storing, or transmitting stereoscopic 3-D video.

The 3-D Video Encoder will digitally encode (multiplex/combine) video signals from any two CCD video cameras and output a single field-sequentially formatted stereoscopic 3-D video signal . . .

- **Two video signals IN:** Input two (left/right) videos (S-video or composite - NTSC/PAL)
- **One video signal OUT:** The 3-D Encoder automatically encodes (multiplexes/combines) and outputs a single field-sequential video signal in order to RECORD, STORE, TRANSMIT, or DISPLAY 3-D video (or any application where *two* different camera views might be useful)
- **Does *not* require gen-locked cameras:**  
Simply use any two standard CCD cameras, VCRs, or even video camcorders
- **Internally processes incoming video at a full 720 x 482 digital resolution**
- **Outputs both NTSC S-video (Y/UV) and composite video . . . PAL video optional**
- **Record/store stereoscopic 3-D video on any standard VCR or mini-DV player/recorder**
- **Provides an on-screen “split-screen” video mode for viewing/aligning two cameras**
- **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

### **3-D ImageTek Corporation**

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