Problems can occur during every stage of 3D content creation—from image capture and post-production to transmission and display. SRI Sarnoff offers a suite of test sequences that helps users evaluate and calibrate 3D video by visually revealing errors. These 3D patterns are specifically designed to test 3D signal chains, workflows and displays—providing information for rapid verification of 3D video so you don’t have to rely on “golden eyes.”

**Features**
- Left/right swap
- Left/right sync
- Subsampling (side-by-side, top-and-bottom, quincunx)
- Subsampling phase: even/even, even/odd
- Display crosstalk (ghosting) measurement

**Benefits**
- Visually determine which monitors have the best ghosting performance without expensive test gear
- Improve quality by avoiding cascaded and mismatched subsampling
- Reduce viewer discomfort by eliminating Left/Right delay
- Quickly measure lip-sync offset
- Qualify equipment before purchase
- Verify equipment designs
- Quickly measure left/right sync

**Applications**
- Broadcast operations
- Post production
- Encoder and decoder testing
- Video over cellular networks
- Satellite and cable television
- Video distribution networks
- IPTV
- D-Cinema
- 3D Display testing

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*Patent Pending*
Formats

- 3 Off-the-shelf packages:
  - 30 Hz
    - 1080i 29.97 fps
    - 720p 59.94 fps
  - 25 Hz
    - 1080i 25 fps
    - 720p 50 fps
  - “Film”/Progressive
    - 1920 x 1080p 23.98 fps
    - 1280 x 720p 23.98 fps (files only)

- Custom formats available:
  - Any resolution
  - R’G’B’, X’Y’Z’
  - 8 to 16 bits
  - 3G

- Available as:
  - Pre-installed on TSG-1
  - DVD containing uncompressed Y’CbCr files in a .avi wrapper
  - 10-bit 4:2:2