

## Simultaneously display the same image from one SD/HD/3G-SDI video source onto four monitors

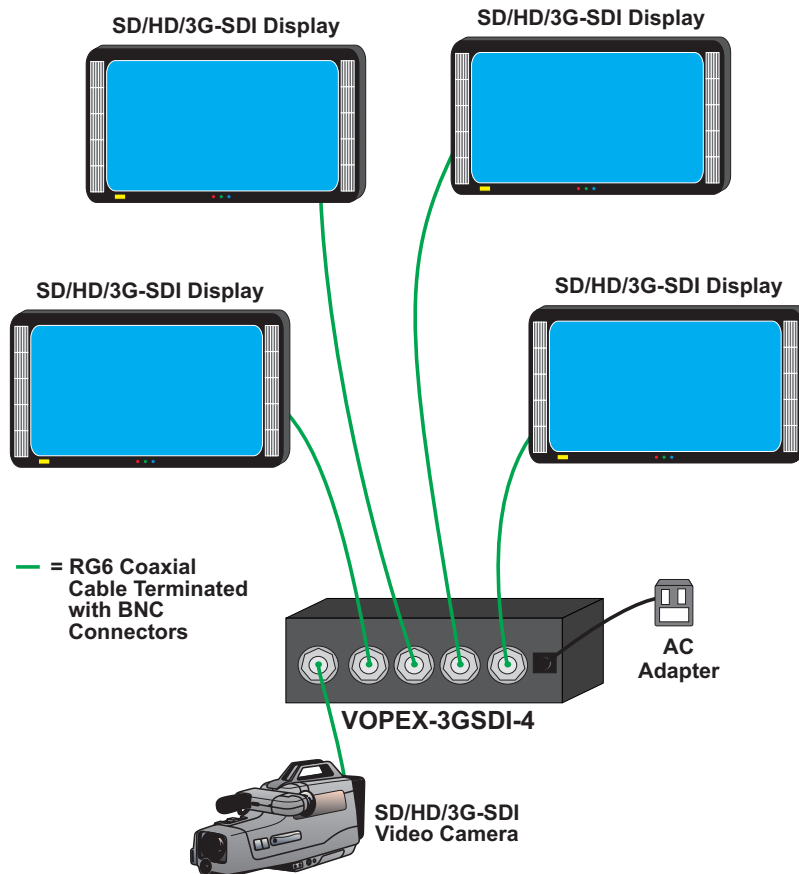
- Simultaneously broadcasts 3G-SDI/HD-SDI/SD-SDI signal from one source to four displays using 75 Ohm RG6 BNC cables.
- Automatic input equalization – compensates for attenuation on the incoming signal and automatically equalizes cables for the following distances:
  - 3G-SDI 1920x1080@60Hz to 328 feet (100 meters).
  - HD-SDI 1280x720@60Hz to 656 feet (200 meters).
  - SD-SDI 525i@60Hz and 625i@50Hz to 984 feet (300 meters).
- Automatic output reclocking – reshapes and restores timing of digital video signals at output, eliminating high frequency jitter.
- Supports HDTV resolutions to 1080p @60Hz.
- Auto-detects 3G-SDI, HD-SDI, or SD-SDI format.
- Supports SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 424M, SMPTE 425M Level A, and ITU-R BT.656/BT.601 video interfaces used for broadcast-grade video.
- Passes embedded audio, ancillary ID and metadata information, and SD/HD/3G-SDI digital video signals
- Supports 48kHz audio.
- Plug-and-play functionality – no software needed.
- Ideal for CCTV surveillance systems, TV broadcast studios, digital cinema, medical imaging facilities, or any AV application where signals need to be split from a camera or other device equipped with 3G/HD/SD-SDI outputs to four SDI-compliant displays or video processors.



**VOPEX-3GSDI-4 (Front & Back)**

The VOPEX® 4-Port 3G-SDI Splitter simultaneously displays the same image from one SD/HD/3G-SDI video source onto four SD/HD/3G-SDI monitors.

## Configuration and Cable Illustration



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## Specifications

### Video Input/Output

- One female BNC connector for SD/HD/3G-SDI video source.
- Four female BNC connectors for SD/HD/3G-SDI displays.
- Video bandwidth:
  - 3G-SDI: 2.97 Gbps
  - HD-SDI: 1.485 Gbps
  - SD-SDI: 270 Mbps
- Impedance: 75 Ohm
- Protocols supported: SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 424M, SMPTE 425M Level A, and ITU-R BT.656/BT.601
- Color space: RGB, YCbCr 4:4:4, YCbCr 4:2:2
- Color depth: 8-bit, 10-bit, 12-bit
- Supports HDTV resolutions to 1080p @60Hz.

### Power

- Input: 100 to 240 VAC at 50 or 60Hz via AC adapter (included).
- Output: 5 VDC, 3A
  - Contact an NTI product consultant for 9VDC or 12VDC power supply options.
- Power consumption: 1.32W

### Dimensions

- WxDxH (in):5.79x3.54x0.99 (147x90x25 mm)

### Environmental

- Operating temperature: 32 to 104°F (0 to 40°C).
- Storage temperature: -4 to 158°F (-20 to 70°C).
- Operating/storage relative humidity: 20 to 90% non-condensing RH.

### Regulatory Approval

- CE, FCC, RoHS

### Warranty

- Two years

### Cables

- Interface cables between the video source/displays and the splitter are required for proper operation.
- RG6 75 Ohm coaxial cable terminated with BNC connectors are recommended for use.
- Cables not included.