Streamline your production setup and keep your business moving from one event to the next with the turnkey power of TriCaster 410. Forget the costly investment in racks and racks of equipment—you get all the gear you need in an all-in-one, compact system that’s easy to use and flight-case friendly.

Built for live event producers and webcasters on the move and on a tight budget, TriCaster 410 delivers the definitive live production experience with total confidence. Create a bigger looking show, custom branded with supercharged visuals like 3D holographic virtual sets and a whole slew of productivity-enhancing tools. Overflowing with creative flexibility, but free of workflow and post-production extras outside the scope of what you do, TriCaster 410 cuts down equipment expenditure to fit your business the way you envisioned it—and adds professional good looks without the frills and extra costs.

With compatible TriCaster control surfaces, along with support for breakout control of audio, camera, key commands, and even on-camera sequence triggering, you have a world of choices for handling live operations. TriCaster 410 gives you complete control, whether you’re producing for broadcast, streaming live to the Web, projecting to a big screen, creating an engaging second-screen experience—or all of the above.

**At a glance**

- **Turnkey Production**
  Multiple turnkey functions do the work that usually requires racks of costly gear. Save space, setup time, and expense with just one system; record, encode, switch, submix, playback, mix audio, and create advanced graphics, titling, and more.

- **Streamlined SDI I/O**
  Keep your productions professional and standardized to your predictable infrastructure and workflow with SDI connectivity; input up to four cameras with varying SD and HD resolutions; send your program out to multiple destinations and displays—even to another TriCaster over the network.

- **Automation**
  Streamline sophisticated operation sequences that are too complex for real-time action with custom memory presets and key commands; extend control behind the scenes and in front of the camera with MIDI support and interactive Hot Spots; and add robotic PTZ cameras that you can control remotely without the need for additional staff.

- **Live Virtual Sets**
  Take your multi-purpose room or a corner of a studio and turn it into any world you want to create, without the high cost or construction; our live virtual sets let you elevate your look with realistic foregrounds and moving backgrounds; or create a panoramic 3D location with our holographic LiveSet capability.

Monitors not included. Control Surface optional.
### Network Sources
- 2 live inputs via Gigabit connection, selectable from any available NDI™ network sources with support for video, audio, and alpha channel

### Robotic Camera Support
- Access up to 4 live Pan-Tilt-Zoom (PTZ) robotic cameras via standard serial and network protocols, with preset system and user interface control over camera orientation, zoom, focus, and iris

### Media
- 5 integrated digital media sources for video, graphics, and sounds (2 DDRs, 2 GFx, and Sound) + 15 buffers

### Buffers
- 15 still & title buffers to store and playback titles and graphics

### Mix/Effect Buses (M/E)
- 4 freely configurable M/E channels for video mixing, compositing, effects and virtual sets, each supporting independent Key layer, TransWarp effects, and Adobe® Photoshop® blending modes between layers

### Macros
- Record configurations and command sequences to supported control methods for recall and automation, with built-in macro editor and support for cross-platform operation between TriCaster and 3Play

### DSKs
- 2 primary DSK channels, plus 1 additional Key layer per M/E bus, each with independent transition controls, 3D DVE, scaling, cropping, and integrated TransWarp effects

### Effects and Transitions
- Integrated TransWarp effects engine on all effects channels supports standard transitions, customizable animation store transitions with audio, and overlay effects; Animation Store Creator for custom animations

### Virtual Sets
- 30+ HD live virtual sets supporting up to 2 switchable live sources, with presets, multiple camera angles, real-time reflections, and animated pan, zoom, and pedestal moves

### Holographic Live Virtual Sets
- Support for custom virtual environments generated from panoramic smartphone, camera, or DSLR images (VSE 2.5 required)

### Video Output
- Configurable for up to 7 output connections, with support for key output and per-connection signal settings
  - 2 x SDI
  - 2 x VGA display ports for additional displays or projectors
  - Network output for live streaming
  - A/V output to network-connected TriCaster over local network

### Recording
- Multi-track, multi-format recording of up to 4 simultaneous channels via IsoCorder™ technology, including native recording in up to 1080p with timecode and encoding format selectable per source; QuickTime® (KDCAM HD compatible, 4:2:2 encoding, 24-bit audio), MPEG-2 (high or normal profile), AVI (SpeedHQ), and H.264 (high or Web quality)

### Media Publishing
- Supports direct content upload to YouTube™, Facebook, Twitter™, FTP, local or external volumes, and network servers

### Live Streaming
- HD live streaming with simultaneous archive, presets in up to 720p, and support for most common streaming profiles and custom multi-birate streaming profiles, including RTMP streaming using H.264 (ex. Adobe® Flash® Media Server), Microsoft® Windows Media Push/Pull, and browser-based streaming applications, with Ustream® and Livestream® native integrated support

### Audio Inputs
- 4 SDI Embedded
  - 1 x 2 Balanced XLR
  - 1 x 2 Balanced 1/4" (AUX)

### Audio Outputs
- 2 SDI Embedded
  - 1 x Balanced XLR
  - 1 x Balanced 1/4" (AUX)
  - 1 Stereo 1/4" (phones)

### Audio Mixing
- Integrated multi-channel audio mixer for internal and external audio sources, outputs, stream, and headphones, with 4 fully independent stereo output mixes, companion iPad® audio mixing app and support for Avid® Artist Mix audio control surface

### Supported Session Formats
- NTSC model: 1080/30p, 1080/24p, 1080/60i, 720/60p, 720/24p, 480/60i
- Multi-Standard model: NTSC 1080/30p, 1080/24p, 1080/60i, 720/60p, 720/24p, 480/60i; NTSC-J 1080/30p, 1080/24p, 1080/60i, 720/60p, 720/24p, 480/60i; PAL 1080/25p, 1080/24p, 1080/50i, 720/50p, 720/25p, 720/24p, 576/25i

### Playback Media Formats
- AVI, DV, DVCProHD, FLV, F4V, H.263, H.264, MOV, MKV, MJPEG

### Signal Monitoring
- Integrated Waveform andVectorscope, full field rate with digital calibration, color preview, and support for ITU-R Rec. 601 and 709

### Latency
- Ultra-low, between 1 and 2 frames

### MIDI Control
- Support for standard MIDI protocol enabling third-party MIDI device control of TriCaster operations via macros

### GPI Support
- Supports 2 x 24 GPI signals via JLCooper eBOX GPI system

### System Physical
- 2U Rack Mount, with 430W power supply and multi-tiered hardware and software fail-safe; optional hardware control surface

Subject to change without notice.
For complete technical specifications, please visit the TriCaster 410 product page at www.newtek.com.

Multi-standard pricing and availability may vary. Please contact your local reseller for details.

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