

## TriCaster™ 410

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.

You have a world of choices for handling live operations, with compatible TriCaster control surfaces along with support for breakout control of audio, camera, key commands, and even on-camera sequence triggering. 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.

Switcher Channels	15 – 6 external, 5 internal, 4 M/E buses
Video Input	4 simultaneous live video sources over SDI, in any combination of supported resolutions and frame rates (including PsF selections)
Network Sources	2 live inputs via Gigabit connection, selectable from any networked computers via included NewTek iVGA client application; wireless Apple® AirPlay® devices; TriCaster; 3Play; USB video sources; video over IP sources; RTMP or RTSP streams; HTTP streaming video sources; and third-party partner solutions
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	4 integrated digital media players (2 DDRs, GFX and Sound) + 15 network-shareable 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 - HDMI output - 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® (XDCAM 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-bitrate 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 (Line) 1 x 2 Balanced 1/4" (Line)
Audio Outputs	2 SDI Embedded 1 x 2 Balanced XLR 1 x 2 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, 720/30p, 720/24p, 480/60i - Multi-Standard model: NTSC 1080/30p, 1080/24p, 1080/60i, 720/60p, 720/30p, 720/24p, 480/60i; NTSC-J 1080/30p, 1080/24p, 1080/60i, 720/60p, 720/30p, 720/24p, 480/60i; PAL 1080/25p, 1080/24p, 1080/50i, 720/50p, 720/25p, 720/24p, 576/25i
Playback Media Formats	AVI, DV, DVCPPro, DVCPProHD, FLV, F4V, H.263, H.264, MOV, MKV, MJPEG, MPEG (1, 2, all profiles, program or transport streams), MP4, WMV, WebM, PSD, PNG, TGA, BMP, JPEG, EXR, RAW, TIF, AIFF, MP3, WAV, and more, with Import Media application for batch import with optional transcoding of files (including Apple ProRes)
Monitoring	DVI and HDMI monitor outputs for user interface and multiview preview displays with selectable layouts and dual-monitor display combinations via Workspaces control panel, freely configurable viewports and overlays
Signal Monitoring	Integrated Waveform and Vectorscope, 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 JLC Cooper 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](http://www.newtek.com).

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

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