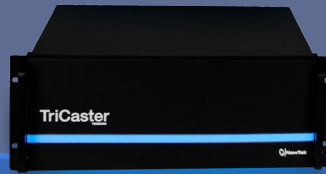# Meet the Next Revolution of Live Production and Streaming Gear

TriCaster™ 8000

In a world where social media and online communication has become standard, TriCaster 8000 lets you publish live media that reaches more viewers, on more screens—in more places.
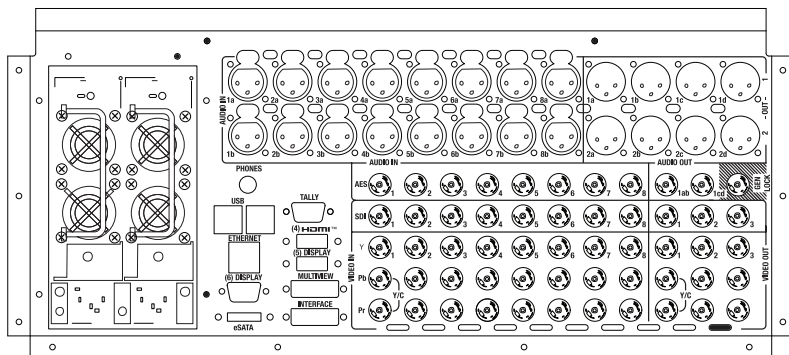
Introducing a total media publishing solution that simplifies the most demanding live productions. You can publish your program to social media platforms during production, adapt to any custom configuration, and scale between shows of any proportion—right out of the box—in one system. Push creative boundaries with the most powerful switcher effects engine around. The harder your program, the easier it falls into place.

Keep up with higher demands of live production control, and the necessity to deliver live media to multiple outlets. The new TriCaster 8000 CS sports a user-focused industrial design. It's the most innovative, practical, and coolest way to handle the heat of a hot production.

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

At a glance:

- **Virtually Unlimited Scalability**
  Add router control to multiply camera sources and deliver to more outputs without conversion, look even bigger with multi-input virtual sets; or downsize for a small-scale show, seamlessly

- **Custom Configuration**
  Freely configure up to four monitors; create complex sequences with one-button macros; customize sets, transitions, and effects to allow every facility and operator to create their own brand, production or studio environment

- **Social Media Integration**
  Easily distribute content to multiple social media sites in one pass—even during live production, for a unified, immediate brand presence

- **Monumental Effects and Graphics Capabilities**
  A full palette of creative tools like warping video, 3D production, and 8 M/E rows to create dramatic visual effects that blur the lines between live and post production

- **Simplified Set-up and Tear-down**
  Prepare for show time in minutes without the "science project" parts and pieces; breakdown post-show, just as easily

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TriCaster™ 8000 Tech Specs

Switcher Channels	24 – 10 external, 6 internal, 8 M/E buses
Video Input	8 simultaneous live video sources, configurable as SDI, analog or router inputs, in any combination of HD-SDI, HD Component, SD-SDI, SD Component, Y/C (BNC) or Composite connections and resolutions
Network Sources	2 live sources via Gigabit connection, selectable from any networked computer or Apple® AirPlay® device
Media	6 integrated digital media sources for video, graphics and sounds
Frame Buffer	9 channels for static graphics or watch folder
Mix/Effect Buses (M/E)	8 re-entrant M/Es with independent 3D positioning, scaling, cropping, keying, transitions and Proc Amp controls
Macros	Record operation sequences and attach to keyboard shortcuts, control surface actions or on-screen hotspots
DSKs	4 primary DSK channels and 4 layers of overlay per M/E bus, each with independent transition controls, 3D positioning, 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 - Supports per-pixel alpha blending between sources and real-time 3D warping of video or graphics
Virtual Sets	24 HD live virtual sets, with presets, multiple camera angles, real-time reflections, and specular highlights - Live pan and zoom of virtual camera and customizable virtual camera presets with animated, pan, zoom and pedestal moves
Hotspots	Up to 8 freely configurable, interactive hotspots per input
Video Output	Up to 14 configurable connections and 8 A/V output signals - Mix and match output formats, connections, and resolutions - HD-SDI, HD Component, SD-SDI, SD Component, Y/C (BNC) or Composite - HDMI and VGA for additional displays or projectors - Network output for live streaming and/or sending A/V output to network-connected TriCaster
Recording	Multi-track, multi-format recording of up to 8 simultaneous channels via IsoCorder™ technology - Native recording in up to 1080p with timecode
Recording Capacity	~ 50 hours 1080i or ~ 300 hours 480i 4 trayless SATA III removable drive bays with hot-swap support for unlimited storage and backup
Social Media Publishing	Integrated application for content upload to YouTube™, Facebook, Twitter™, Flickr®, FTP or network servers
Live Streaming	HD live streaming via Gigabit connection, with presets in up to 720p, supporting most common streaming profiles and custom multi-bitrate streaming profiles, configured via browser based plug-ins, Adobe® Flash® to Flash media server connections or Microsoft® Windows Media® Push/Pull - Streaming Profile Manager with integrated Web browser and integrated Livestream® plug-in
Audio Inputs	8 SDI Embedded 8 AES3/EBU 8 x 2 Balanced XLR (Mic/Line) Phantom Power Support
Audio Outputs	3 SDI Embedded 2 AES3/EBU 4 Balanced XLR 4 Balanced XLR (AUX) 1 Stereo 1/4" (phones)
Audio Mixing	Integrated multi-channel audio mixer for internal and external audio sources, outputs, stream and headphones - Seven-band equalizer and full stereo compressor/limiter per input and output - Digital audio inputs equipped with audio time-base synchronizers - Supports companion iPad® audio mixing app and Avid® Artist Series audio control surfaces
Supported Formats	NTSC model: 1080/30p, 1080/24p, 1080/60i, 720/60p, 720/30p, 720/24p, 480/60i Multi-Standard model: NTSC-J; PAL 1080/25p, 1080/50i, 720/50p, 720/25p, 576/25i
Playback Media Formats	AVI, DV, DVCPro, DVCProHD, 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) - NewTek SpeedHQ codecs for Mac and PC for extended file compatibility with TriCaster and system applications
Export Media Formats	Export media application for batch copying with optional transcoding of files to compatible formats for different applications and devices: AVI, DV, DVCPro, DVD, H.264, MOV, MPEG-2, MJPEG, MP4, WebM and more - Presets for NLEs: Adobe Premiere®, Avid® Media Composer®, Apple® Final Cut Pro®, and more - Presets for mobile platforms: Android®, iPad®, iPhone®, iPod Touch® and more
Monitoring	Freely configurable for any combination of input sources, program, preview, M/E buses, clocks or images
Signal Monitoring	Integrated Waveform and Vectorscope, full field rate with color preview and support for ITU-R Rec. 601 and 709
Processing	Video: 4:4:4:4, 32-bit Floating Point Audio: 4 channels, 96 kHz, 32-bit Floating Point
Physical	4U Rack Mount, with 550W redundant, removable power supply and multi-tiered hardware and software fail-safe 19 x 7.25 x 21.5 in / 42 lbs (48.3 x 18.4 x 54.6 cm / 19 kg)

Subject to change without notice. For complete product description, features and technical specifications, please visit newtek.com

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