NewTek™

TriCaster™ 860

Create more shows for a bigger audience with programs that make a bigger impact. All at once, TriCaster 860 lets you deliver content where your viewers watch—broadcast on TV, streamed live online, and projected on the big screen—even posted in real time on social media sites where they can share the experience with others. Gear up your productions without adding more gear.

With TriCaster 860, you have a complete, media production solution for delivering bigger, more creative live productions. Produce more with the content you capture—more video, text, graphics, animations and virtual sets. Don't just keep up with ever-changing media strategies—invent your own. Create the attention-getting content that stands out from the crowd, and use that same content to discover fresh new streams of revenue opportunities.

Adapt to your growing program needs with incredibly flexible control, sophisticated automation, and 8 M/E submix potential. Fly solo with the optional hardware control surface—or assemble a team to crew a studio full of supported third-party audio, MIDI, and robotic camera devices.

At a Glance

- **Multi-Track ISO Source Recording**
  Isolate the recording of multiple input and output sources with IsoCorder™ technology, including embedded timecode and four audio tracks; save racks and racks of space and resources that are typically allocated for capture, and post-production workflows

- **Media Publishing**
  Instantly publish content to popular social media sites; upload to FTP sites, or transfer to storage volumes and network locations; share clips and stills during production, or upload your entire show within minutes after production wraps

- **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

- **Holographic Live Virtual Sets**
  Create custom, photorealistic virtual environments from panoramic images using a smartphone, point-and-shoot, or DSLR camera, with support for 3D positioning of sources and live virtual camera movements (requires Virtual Set Editor 2.5, sold separately)

- **Multi-Channel Audio Mixer**
  Deliver pristine sound with adjustable audio for all sources, plus 4 fully independent stereo output mixes; robust audio follow video and routing configuration; touchscreen and tactile remote control via the iPad® audio app and native support for Avid® Artist Mix audio control surfaces

Monitors not included. Control Surface optional.

Switcher Channels	24 – 10 external, 6 internal, 8 M/E buses
Video Input	8 simultaneous live video sources, in any combination of supported connection types, resolutions and frame rates (including PsF selections): HD-SDI, HD Component, SD-SDI, SD Component, Y/C or Composite
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 8 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 players (2 DDRs, 2 GFX and Sound) + 15 network-shareable buffers
Buffers	5 animation buffers and 10 still & title buffers to store and playback video, animations, titles and graphics
Mix/Effect Buses (M/E)	8 freely configurable M/E channels for video mixing, compositing, effects and virtual sets, each with independent Key layer and support for TransWarp effects
Macros	Record configurations and operation sequences to various control methods for recall and automation, with built-in macro editor
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 12 output connections, with support for key output and per-connection signal settings - 3 x SDI - 3 x Analog (configurable for Component or Y/C + Composite) - HDMI output - Network output for live streaming - A/V output to network-connected TriCaster over local network
Recording	Multi-track, multi-format recording of up to 8 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	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, 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, 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)
Monitoring	DVI monitor outputs for user interface and multiview displays, with selectable layouts and dual-monitor display combinations via Workspaces control panel
Signal Monitoring	Integrated Waveform and Vectorscope, full field rate with digital calibration, color preview and support for ITU-R Rec. 601 and 709
MIDI Control	Support for standard MIDI protocol enabling third-party MIDI device control of TriCaster operations via macros
System Physical	4U Rack Mount, with 550W redundant, removable power supply and multi-tiered hardware and software fail-safe;optional TriCaster 860 hardware control surface

Subject to change without notice.
For complete technical specifications, please visit the TriCaster 860 product page at www.newtek.com.

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

Learn More Online.