A compact video creation solution

NewTek TriCaster Mini 4K is an easy to use compact video creation system to let anyone with a story to tell make fun and exciting shows without needing production expertise.

You don't have to be a video expert to tell your story with television-quality results. With TriCaster Mini 4K, you can be on your way to making a show in resolutions up to UHD within minutes of opening the box. TriCaster Mini 4K delivers you all the benefits of IP based production using NDI® for easy connectivity to media components while leveraging simple one-to-one connections to your HDMI cameras and devices without cable length limitations.

The compact unit is easy to transport and set up with all the features you need to deliver high quality shows to screens and displays of any size or shape. With NDI®, TriCaster Mini 4K connects to a wide variety of NewTek and third-party systems over IP like cameras, converters, and custom software applications.

- **Complete Production**
  Produce amazing content with hundreds of advanced production capabilities for video switching, playback, mix effects, graphics, audio mixing, virtual sets, and more.
- **Format Flexibility**
  Deliver an immersive viewing experience for programs, performances, events, and sports intermixing formats up to 4K UHD 60p and 3G 1080 60p resolutions.
- **Native IP Processing**
  NDI® video, audio and data transmission over IP with near-zero latency. Instant access to and seamless interchange with almost unlimited IP sources from anywhere across the network.
- **Multi-Source Video Mixing**
  Use any combination of 8 external compatible IP video sources including cameras, mobile devices, Skype video calls, graphics computers, streaming media, audio/video files, and more.
- **Multi-Destination Delivery**
  Produce digital media content in various aspect ratios, resolutions, and frame rates for any screen or schedule, with 4 IP live outputs, multi-channel recording, multi-platform live streaming, social media publishing, transfer to storage volumes or network locations, and more.
- **Recording and Replay**
  Record 4 channels of full-resolution video to NDI® or QuickTime® files. Archive the master cut, ingest raw camera footage for post-production, cache production extras and presentation materials for on-demand, and capture real-time highlights for instant replay.
- **Production Control**
  Build, save and use macros to combine functions, create simple customized soft panels with LivePanel™ for remote productions, and automate shows including switching and graphics using teleprompter control based on scripts with embedded commands using Live Story Creator.

Learn More at: https://www.newtek.com/tricaster/mini/tech-specs/

TriCaster Mini 4K Technical Specifications

Network Video Input	8 x total IP video inputs via NDI®, resolution-independent Includes 4 x direct source input connections that support Power over Ethernet (802.3af or 802.3at) NDI inputs supporting video input in any combination of standard formats, resolutions, and frame rates[1] • 2160p 59.94, 50, 29.97, 25 • 1080p: 59.94, 50, 29.97, 25 • 1080i: 59.94, 50 • 720p: 59.94, 50, 29.97, 25 • SD: 59.94, 50, 25 [1] *Available frame rates determined by session video standard (NTSC or PAL)*
PTZ	Support for up to 8 simultaneous Pan-Tilt-Zoom (PTZ) robotic cameras via serial and network protocols, including RS232, RS422, and IP, with integrated controls and preset system
Skype TX	Native support for up to 2 simultaneous Skype® video call inputs via Skype TX software integration, including tally and Talk Back communication
Network Video Output	IP video output via NDI, optionally configurable for: • 4 x independent video mix outputs • 1 x UHD video mix output
Stream Output	2 x resolution-independent streaming video outputs, independently configurable and controllable, with simultaneous stream archive
Monitor Outputs	4 x mini display port with output adapters Up to 3 x of the outputs can support multiviewer displays depending on video resolution
Mix/Effect Buses (M/E)	4 x M/E buses supporting video re-entry • 1 x Mix/Effect channel per bus with support for up to 2 sources • 2 x KEY layers per bus
DSK Channels	2 x DSK channels
Media	4 x media players • 2 x DDR • 1X GFX • 1 x Sound 15 x media buffers • 5 x animation buffers including GIF support • 10 x graphic buffers
Keyers	Integrated LiveMatte™ chroma and luma keying technology on all source channels and M/E buses • 8 x input keyers • 2 x media player keyers • 4 x M/E keyers • 15 x buffer keyers
COMPs	Integrated video composition engine on the switcher and each M/E bus to create, store, and apply layer configurations and DVE-style motion sequences 16 x configurable COMP presets per bus
Virtual Sets	Integrated LiveSet™ technology with 30+ live virtual sets and box effects included
DataLink	Integrated DataLink™ technology enabling real-time, automated data input from internal and external sources, including webpages, spreadsheets, scoreboards, databases, RSS feeds, watch files, XML, CSV, ASCII and more
Macros	Record, store, edit and automate commands and user-configured operation sequences • Attach to control panel buttons, keyboard shortcuts, hotspots, MIDI and X-keys® buttons or GPI triggers • Attach to internal events and state changes, including audio, media playback, tally and specific switcher actions

	Supports control via web-based interface
Recording	4 x recording channels from either NDI® inputs or Mix outputs
	• Records and retains alpha channel data
	• 4 x QuickTime® archival video recorders (Native NDI Codec for recording)[2]
	[2] *QuickTime Player not required for playback in common NLE applications*
Signal Monitoring	Integrated waveform and vectorscope, full field rate with digital calibration, color preview and support for ITU-R Rec. 709
Storage	1 x 1 TB SSD internal drive
	• Capacity varies by format, resolution and file specification
	• Supports recording to external storage via USB 3.0
Grab	Grab full-resolution, deinterlaced still images from external video sources and outputs
Export	Export video and image files to social media, FTP, local or external volumes, and network servers, with optional transcoding
Audio Mixing	Integrated multi-channel audio mixer with support for stereo audio, and DSPs
Local Audio Input	2 x embedded digital audio inputs through HDMI conversion
	1 x 1/4" (6.35 mm) balanced mic
	2 x 1/4" (6.35 mm) balanced line
Local Audio Output	2 x embedded digital audio outputs through HDMI conversion
	2 x 1/4" (6.35 mm) balanced line
	1 x 1/4" (6.35 mm) stereo headphones jack
Network Audio	• Native support for network audio input and output via NDI®
	• Embedded audio supported for all NDI® input and output video signals
	• Integrated support[3] for Dante™ networking protocol from Audinate®
	[3] *Requires Dante Virtual Soundcard license from Audinate (sold separately)*
	[5] *Requires third-party virtual sound card license (sold separately)*
Supported Media File Formats	Import, store, and play back multimedia files, with optional transcoding, including:
	• Video: AVI, DV, DVCPro, DVCProHD, FLV, F4V, H.263, H.264, MOV, MKV, MJPEG, MPEG, MP4, WMV, WebM, and more
	• Image: PSD, PNG, TGA, BMP, JPEG, JPEG-XR, JPEG2000, EXR, RAW, TIF, WebP, and more
	• Audio: AIFF, MP3, WAV, and more
Processing	Video: Floating Point YCbCr +A 4:4:4:4
	Audio: Floating Point, 96 kHz
Latency	Processing Latency: ~1.0-1.5 frames
	Practical Throughput Latency: 4 frames
Tally	Support for network tally via NDI®
MIDI	Support for standard MIDI protocol enabling third-party device control
NIC	2 x 1 Gigabit NIC
Connectivity	5 x USB 3.1 Type A maximum cable length of 3 meters
	1 x USB 3.1 Type C maximum cable length of 3 meters
	2 x USB 2.0 maximum cable length of 3 meters
	2 X HDMI
	1 x DisplayPort
System Physical	NewTek TriCaster Mini 4K system chassis, including adjustable handle and cable retention bracket
	• 4.23 x 9.08 x 7.89 in (10.7 x 23.0 x 20.0 cm)
	• 8.4 lbs (3.8 kg)

PoE devices must be connected indoors and connected in the same building as the TriCaster.
For product safety, do not use direct cable connections external to the building where the TriCaster is operating.

Subject to change without notice.