

# TC Mini



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TC Mini 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. With an all-in-one design, do-it-yourself setup, and hundreds of easy to use capabilities for live switching, streaming, recording, media publishing, and more, it enables anyone to create great programs and presentations from anywhere.

# Value Proposition



You don't have to be a video expert to tell your story with television-quality results. With TC Mini, you can be on your way to making a show in resolutions up to 4K UHD for delivery to any type of screen you want within minutes of opening the box. TC Mini takes portable live production to new heights with hundreds of amazing features, including virtual sets, integrated media playback, social media publishing, multi-channel audio mixing, streaming, and even live motion graphics and Live Story Creator MS Word<sup>®</sup> show automation with Premium Access. TC Mini delivers you all the benefits of IP based production using NDI<sup>®</sup> for easy connectivity to media components while leveraging simple one-to-one connections to your HDMI cameras and devices without cable length limitations.

# Differentiation



No other portable video creation system offers so many easy and enjoyable ways to tell stories in such a small package for the price than TC Mini. 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<sup>®</sup>, TC Mini connects to a wide variety of NewTek and third-party systems over IP like cameras, converters, and custom software applications. Direct one-to-one connectivity with HDMI cameras and devices simplifies configurations and removes cable length limitations.

# TC Mini Overview



## 4-M/E video mixing

- 8 NDI sources including 4 direct source inputs that support Power over Ethernet
- 4K UHD @ 60p (59.94) on every input
- Packaged with two 4K UHD 60p (59.94) HDMI to NDI source adapter modules (option to add 2 more)
- 15 Buffers
- 2 Video Players
- 2 x Mix NDI outputs
- 1TB SSD storage
- 4 x display outputs, up to 3 as Multiviewers depending on video resolution
- 8 Pan-Tilt-Zoom (PTZ) robotic camera control
- 4 x NDI input and Mix output recording (10 x with Premium Access)
- 2 x Streaming Encoders
- Social Media Delivery

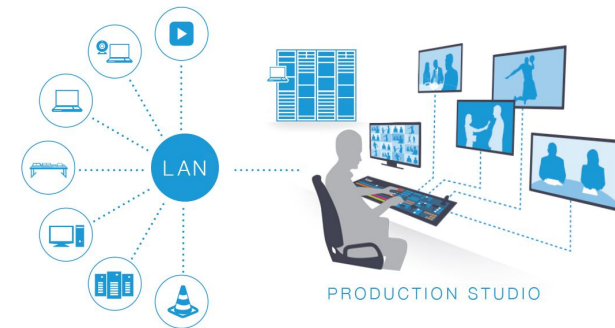


# TC Mini Benefits



Built on a video over IP foundation

- Native integration of NDI<sup>®</sup> supporting video, audio and data transmission over IP with near-zero latency
- Support for 8 input sources and 2 output signals over IP, with flexible HDMI integration using external input modules that eliminates HDMI cable length limitations
- Instant access to and seamless interchange with essentially unlimited IP sources from anywhere across the network in real time



## Simple to Set Up and Operate

- Anyone using everyday cameras and devices can create and deliver and stream great shows in minutes from the office, an event, or from anywhere
- Non- technical users can get started in just minutes with typical software operations which eliminates the need for experienced crews
- All-in-one system saves time with fast and straightforward setup using standard connectivity that is readily available and widely supported
- Production is more convenient with a portable, compact system not requiring multiple trips moving and setting up a lot of equipment
- Cabling is not confusing because connections are standardized and similar

## Delivers Programs Everywhere

- Produce and stream shows to all types of screens and displays from a single system
- Choose live streaming, posting to a server, publishing to a social media platform, recording, sending to an editor, or projecting to an audience as methods for delivering great looking shows
- Use any combination of compatible video sources, including HDMI and NDI PTZ cameras, mobile devices, Skype TX video calls, computers, gaming systems, streaming media, video files, graphics, images, and animations
- Output shows with NDI aspect ratio, resolution, and frame rate independence directly to mobile devices (requires Premium Access subscription)



## Enhances Creativity

- Animated digital effects for advanced layering of on-screen elements
- Clean, comprehensive green screen keying with LiveMatte™ chroma-keying technology
- Live virtual sets and augmented reality elements using LiveSet™ technology
- Powerful recording and replay tools for review and archiving
- Simple titling and graphics, with support for automated data insertion and real-time animated overlays

# TC Mini Benefits



## Advanced System Capabilities

- Future ready production with support for 4K UHD
- Multi-bus mix effects with four M/E busses
- Storage and playback of media, with 2 real-time multimedia players supporting an array of file formats
- Fully integrated three head multiviewer functionality, with dedicated monitor ports, configurable workspaces, and customizable windows
- Complete video configuration toolset, including proc amp settings, automatic color correction, scaling, positioning, cropping and more
- Professional video calling with multi-channel Skype® TX software integration

# TC Mini Benefits



## Flexible Control Options

- Live Story Creator production automation is a Premium Access application that uses Microsoft Word® documents to create scripts and run entire shows
- NewTek LivePanel™ is another Premium Access application for building remote control, custom, browser-based software panels

## Premium Access

All TC Mini systems can be enhanced through a Premium Access subscription.

- Enjoy these examples of Premium Access functionality for TC Mini:
  - Aspect Ratio, Frame Rate, Resolution independence, plus Rotate/ Flip Video
  - Live Story Creator simple show automation using Word
  - LiveGraphics using Adobe® Creative Cloud® tools
  - LivePanel software-based control panels
  - and much more...

## Format Flexibility

- Standardize to a preferred signal workflow or adapt effortlessly to particular infrastructures and available equipment inventory
- Freely intermix formats, resolutions, and frame rates with robust multi-format video processing
- Switch with a capacity of 8 NDI simultaneous sources, including 4 full-resolution direct source inputs supporting Power over Ethernet devices
- Use native 2160p video at up to 59.94 frames per second
- Produce with 2 NDI Mix outputs
- Interchange with established formats and emerging standards with IP-based NDI® workflows that are independent of specific technical criteria

## Multi-Source Video Mixing

- 8 NDI source channels, including 4 direct source inputs
- Use any combination of compatible video sources
  - HDMI and NDI PTZ cameras
  - Exclusive NDI HX Camera Application for Mobile Devices
  - Mobile devices
  - Skype TX video calls
  - Computers
  - Gaming systems
  - Streaming media
  - Media files
  - Graphics
  - Images
  - Animations



# TC Mini Highlights



## Mobile Device NDI Sources

- NDI HX Camera Application for Mobile Devices
- Use iOS devices over WiFi as NDI sources
- Supports up to 4K UHD resolutions depending on capability of iOS device
- Available as a download on the Apple store, but will only activate with TC Mini systems it discovers on the network



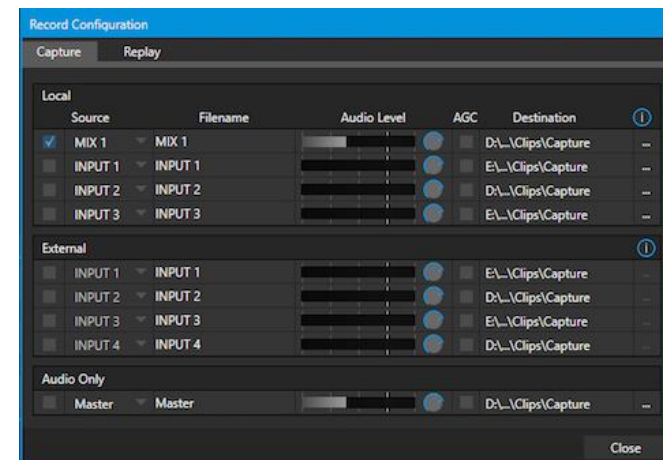
# TC Mini Highlights



## Recording and Replay

- Capture angles, and record 4 channels of full-resolution video\*
- Archive master cuts and ISO feeds
- Ingest raw camera content for post-production
- Cache production extras and presentation materials for on-demand use
- Create real-time highlights for instant replay
- PTZ Camera Control
- Distribute content as media files from up to 4 distinct external NDI® recordings\*
- 4 x direct connect ports for sources
- 1 TB SSD storage

(\* 10 x with Premium Access)





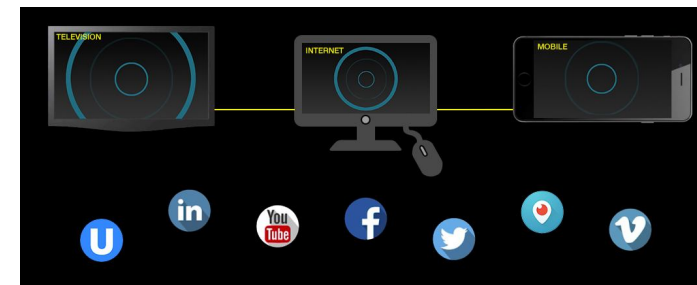
## Skype Video Calls

- Conduct a live Skype video call with any remote guest, anywhere in the world with direct Skype TX software integration
- Enhance the real-time interaction with broadcast-quality video and balanced audio
- Present production-ready conversations, interviews, reports, and more—regardless of the caller's device



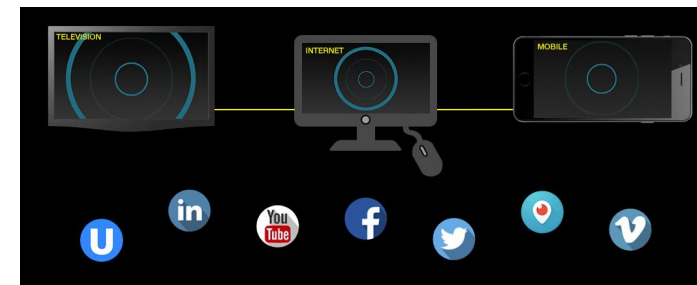
## Dual-Channel Live Streaming

- Stream live to a choice of new media platforms, including user-friendly presets for Facebook Live, Microsoft® Azure®, Periscope, Twitch, YouTube™ Live
- Two independently configurable H.264 streaming encoders in resolutions up to 4K UHD to easily deliver platform-specific content, while opening up new sponsorship and revenue opportunities



## Social Media Integration

- Share real-time updates and on-demand content across social media accounts
- Upload images and video directly to Facebook, Imgur, LinkedIn, Twitter, Vimeo, YouTube and more—complete with comments and hashtags
- Add posts and photos from social networks in on-screen graphics for interactive experiences using DataLink™ integration



# TC Mini Highlights



## Live Sound Experience

- Software-based audio mixer
- Support for digital, analog, and USB audio devices
- Audio over IP networking with NDI®, Dante™, and AES67
- Professional DSPs, fader control, VU metering, Talk Back communication, and stereo audio to outputs

*Dante™ and AES67 require compatible virtual sound card licenses (sold separately)*



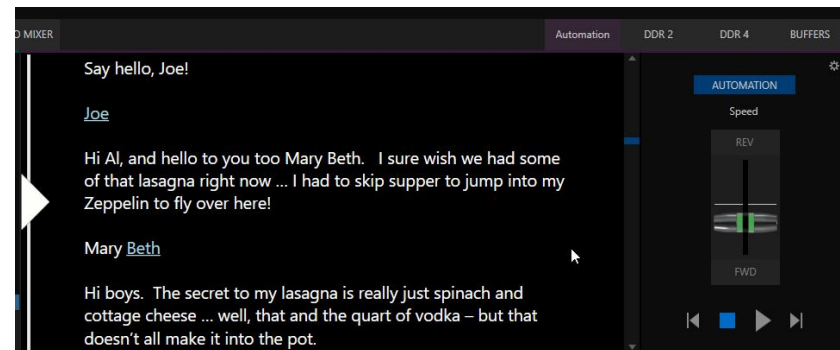
## Custom Control

- NewTek LivePanel™ makes it easy for people to have control of the live production process
- Provides the ability to configure a custom user interface that delivers exactly the tools and functions needed
- Accessible through any Web browser or operating system (Premium Access)



## Show Control

- Add easy production automation with NewTek Live Story Creator to run entire shows by simply writing scripts with formatted Microsoft Word documents (Premium Access)



# TC Mini Highlights



## Creative Elements

- Multi-bus mix effects
- Real-time animated titles
- Internal and NDI® data-driven graphics
- Custom animated transitions
- Full-motion composition engine
- Video Effects
- Audio mixing
- Clip recording, playback, and replay with 2 media players
- Keying on all inputs
- Virtual sets

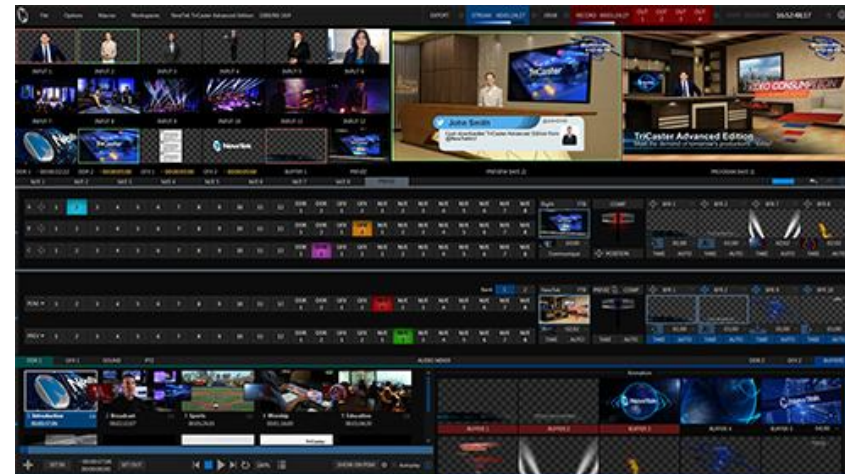


# TC Mini Highlights



## Advanced Video Toolset

- Configurable color correction
- Object positioning
- Smooth-edge cropping
- Picture-in-picture effects with optional borders
- Key and fill for foreground and background compositing



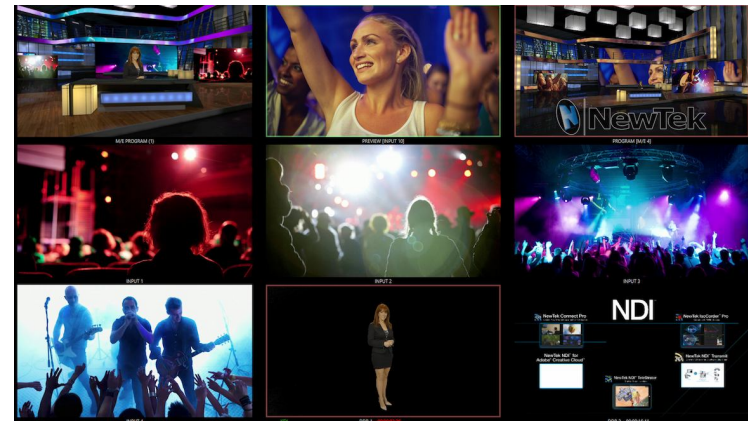


# TC Mini Highlights



## Monitoring and Multiviewers

- Fully adjustable single-screen or multi-screen monitoring
- Up to three customizable multiviewer displays depending on video resolution
- Configurable windows and workspace layouts
- Operator confidence monitors
- Visual indicators



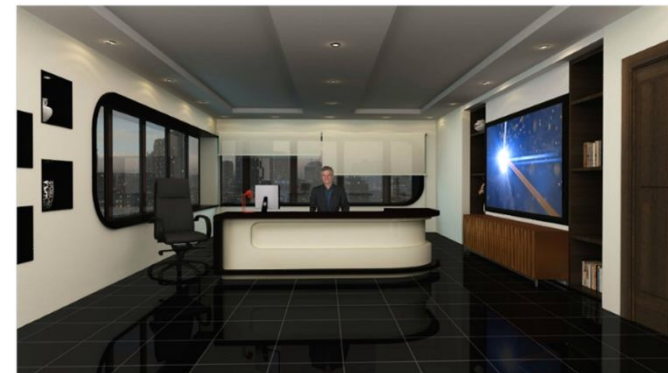
## Chromakeying

- NewTek LiveMatte™ technology built into every source channel and M/E
- Fully configurable keyers to create composite scenes from live video, graphics and virtual sets
- LiveMatte™ Ultra advanced chromakeying on all source inputs with Premium Access



## Virtual Sets

- Composite live video sources into rendered scenes with LiveSet™ technology that can include multiple angles, virtual camera movements, real-time reflections, specular highlights, and animated lens flares
- Apply augmented reality effects for embedding video overlays into 3D virtual space
- Select from more than 30 included virtual sets
- Purchase premium ready-made sets, or create custom environments with the optional Virtual Set Editor software (sold separately)



# System Connectivity



6- NDI Output Connector

7- HDMI Input Connector

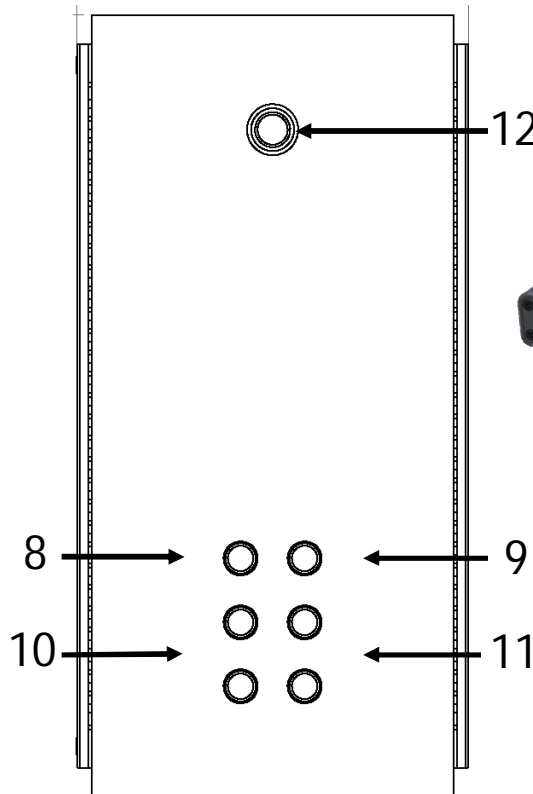
8- Microphone Connector

9- Headphone Connector

10- Audio L-R In Connectors

11- Audio L-R Out Connectors

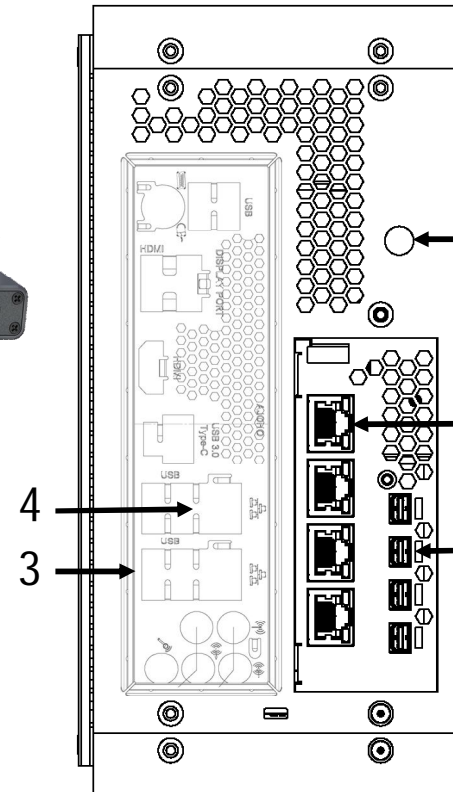
12- Power Switch



HDMI TO NDI  
INPUT ADAPTER



6 7



1- Power Connector

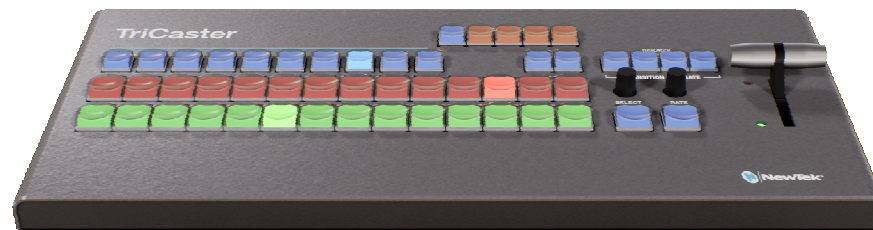
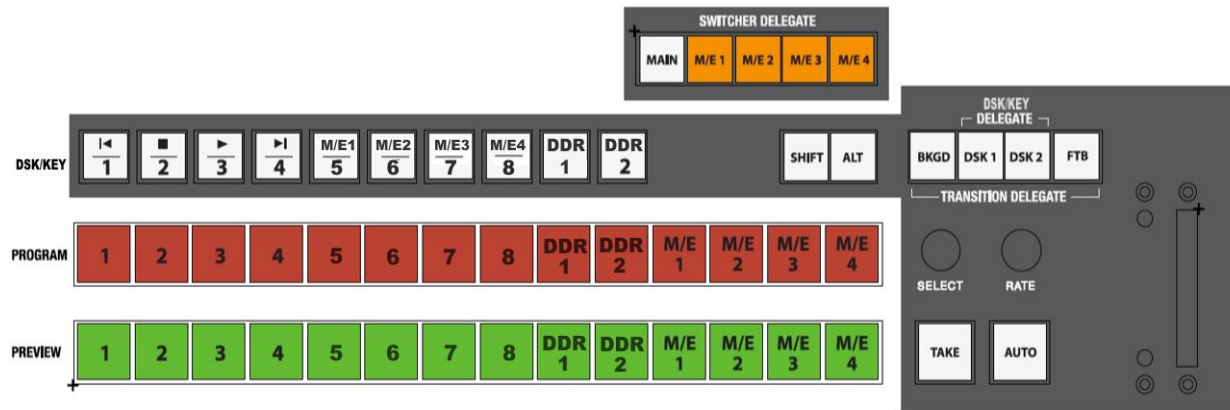
2- Mini DisplayPort Connectors

3- USB 3 Connectors

4- Gigabit Ethernet Network Connectors

5- NDI Source Connectors

# Control Panel





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P R O F E S S I O N A L   S E R V I C E S

Optimize your purchase. Invest with confidence.



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P R O F E S S I O N A L   S E R V I C E S

- NewTek provides workflow solutions for many industry verticals, extending our products' inherent capabilities to incorporate third-party features and integrate with existing and prospective studio infrastructures.
- NewTek Professional Services enables customer success. From actively participating in the technical design and training operators, to creating automation and troubleshooting entire production workflows, NewTek is your go-to resource to make software-based productions exceed your expectations.

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