

TriCaster® Mini X – One Sheet & Tech Specs

Making professional video production possible for all - the Mini X gives producers at any level the freedom to create and share video wherever and whenever they want using anything from a smartphone to a 4K camera – truly demonstrating the power of software defined visual storytelling.

Accessible

Storytellers should be able concentrate on telling the story and the Mini X has everything needed for producers to do that, right at their desk. Video switching, media playback, virtual sets, ability to add graphics, record, stream, and much more. TriCaster Mini X brings the possibilities of professional live video production to anyone with a story to tell – without vast investments in infrastructure.

Flexible

New producers or businesses that want to step-up their productions can use all their existing devices to tell their stories using the TriCaster Mini X. From cameras to microphones, off-the-shelf HDMI devices connect directly to the powerful Mini X in minutes to create professional level productions – without having to purchase any new equipment.

Scalable

As part of the NewTek ecosystem of products, users can take advantage of the many ways to scale-up their productions to suit any need. Built with NDI at its core, the Mini X is an easy to use, yet scalable solution that can be simplified or expanded, as necessary - even by using Spark I/O Converter – offering limitless possibilities.

TriCaster® Mini X - Product Highlights



Live Link

Live Link is an all-new feature that brings the power of the internet directly into TriCaster – offering the ultimate in production freedom. Users can pull any web page elements into a production without third party applications. From graphics or images to videos from your organization’s internal training platforms.

TriCaster Mini X also offers a host of exceptional features users have come to expect from TriCasters including:



HD switching, streaming, and recording up to 4Kp30



Real-time social media publishing



8 external video inputs and 4 mix outputs



Multi-channel recording, audio mixing and internal storage



Connect to compatible IP devices via NDI®



Video playback without additional hardware



Compatible with all major streaming platforms



Built-in live titling and motion graphics

TriCaster® Mini X - Technical Specifications

Network Video Input	8 x IP video inputs via NDI®, resolution-independent
Digital Video Input	<p>4 x HDMI video connections supporting video input in any combination of standard formats, resolutions, and frame rates¹</p> <ul style="list-style-type: none"> - 2160p: 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 <p><small>1 Available frame rates determined by session video standard (NTSC or PAL)</small></p>
PTZ	<p>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</p> <p><small>*Requires USB to serial adapter - sold separately</small></p>
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	<p>IP video output via NDI, optionally configurable for:</p> <ul style="list-style-type: none"> - 4 x independent video mix outputs - 1 x UHD video mix output
Stream Output	2 x streaming video output, independently configurable, with simultaneous stream archive
Monitor Outputs	<p>4 x mini display port with output adapters</p> <p>3 x of the outputs support multiviewers using standard display resolutions</p>
Mix/Effect Buses (M/E)	<p>4 x M/E buses supporting video re-entry</p> <p>1 x Mix/Effect channel per bus with support for up to 2 sources</p> <p>2 x KEY layers per bus</p>
DSK Channels	2 x DSK channels
Media	<p>5 x Media Players (2 x DDR, 2 x GFX, 1 x Sound)</p> <p>15 x Media Buffers (5 x Live Link or Animation Buffers, 10 x Graphic Buffers)</p>
Keyers	<p>Integrated LiveMatte™ chroma and luma keying technology on all source channels and M/E buses</p> <ul style="list-style-type: none"> - 8 x input keyers - 2 x media player keyers - 4 x M/E keyers - 15 x buffer keyers
Virtual Sets	Integrated LiveSet™ technology with 30+ live virtual sets and box effects included
DataLink	<p>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</p> <p>Record, store, edit and automate commands and user-configured operation sequences</p>
Macros	<ul style="list-style-type: none"> - 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

TriCaster® Mini X - Technical Specifications continued...

Recording	<p>4 x recording channels from either NDI® inputs or Mix outputs</p> <ul style="list-style-type: none"> - Records and retains alpha channel data - 4 x QuickTime® archival video recorders (Native NDI Codec for recording)² <p><small>2 QuickTime Player not required for playback in common NLE applications</small></p>
Storage	<p>Capacity varies by format, resolution and file specification</p> <p>Supports recording to external storage via USB 3.0</p>
Grab	<p>Grab full-resolution, deinterlaced still images from external video sources and outputs</p>
Export	<p>Export video and image files to social media, FTP, local or external volumes, and network servers, with optional transcoding</p>
Audio Mixing	<p>Integrated multi-channel audio mixer with support for stereo audio, and DSP's</p>
Local Audio Input	<p>2 x embedded digital audio inputs through HDMI conversion</p> <ul style="list-style-type: none"> - 1 x 1/4" (6.35 mm) balanced mic - 2 x 1/4" (6.35 mm) balanced line
Local Audio Output	<p>2 x embedded digital audio outputs through HDMI conversion</p> <ul style="list-style-type: none"> - 2 x 1/4" (6.35 mm) balanced line - 1 x 1/4" (6.35 mm) stereo headphones jack
Network Audio	<p>Native support for network audio input and output via NDI® · Embedded audio supported for all NDI® input and output video signals · Integrated support³ for Dante™ networking protocol from Audinate® ³ Requires Dante Virtual Soundcard license from Audinate (sold separately)</p>
Supported Media File Formats	<p>Import, store, and play back multimedia files, with optional transcoding, including:</p> <ul style="list-style-type: none"> · 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	<p>Floating Point YCbCr +A 4:4:4:4 Audio: Floating Point, 96 kHz</p>
Latency	<p>Processing Latency: ~1.0-1.5 frames</p> <p>Practical Throughput Latency: 4 frames</p>
Tally	<p>Support for network tally via NDI®</p>
MIDI	<p>Support for standard MIDI protocol enabling third-party device control</p>
NIC	<p>2 x 1 Gigabit NIC</p>
System Physical	<p>NewTek Mini X system chassis, including adjustable handle and cable retention bracket</p> <ul style="list-style-type: none"> - 4.23 x 9.08 x 7.89 in (10.74 x 23.1 x 20.1 cm) - 8.4 lbs (3.8 kg)

Subject change without notice.