

TriCaster® Mini Tech Specs

Switcher Channels	16 - 6 external, 6 internal, 4 M/E buses
Video Input¹	4 simultaneous live video sources (HDMI or SDI; connection type varies by model) <ul style="list-style-type: none">• Per-input auto-detection of format, resolution, and frame rate• Per-input scaler (including 3:2 intelligent pull-down) and frame synchronizer enabling intermixing of formats• Per-input color correction, crop and LiveMatte™ keyer controls
Network Sources	2 live inputs via Gigabit connection, selectable from any available network sources with support for video, audio and alpha channel <ul style="list-style-type: none">• Supported sources include NDI™-compatible and AirSend™-compatible systems, devices and applications, networked computers via iVGA™, USB video sources, video over IP sources, RTMP and RTSP streams, HTTP streaming video sources, and video and CG sources from compatible third-party partner solutions
Robotic Camera Support	Access up to 4 live Pan-Tilt-Zoom (PTZ) robotic cameras via standard serial and network protocols, with native preset system and user interface control over camera orientation, zoom, focus and iris
Media	5 integrated digital media players for video, graphics and sounds <ul style="list-style-type: none">• 2 x DDR• 2 x GFX• 1 x Sound
Buffers	15 still & title buffers, with multiviewer, title editing and presets <ul style="list-style-type: none">• Shareable across a network for watch folder application, with real-time edit and update of content
Mix/Effect Buses (M/E)	4 freely configurable M/E buses for video mixing, compositing, effects and virtual sets, each supporting independent Key layer, TransWarp effects, and Adobe® Photoshop® blending mode effects <ul style="list-style-type: none">• <i>Mix mode</i>: Enables secondary switcher operation for output, submix or recording, with Program/Preview workflow and transitions• <i>Effects mode</i>: Enables multi-layer compositing, effects generation and virtual set application, with per-source 3D DVE, scaling, cropping and keying
Macros	Record configurations and operation sequences, then attach to control surface buttons, keyboard shortcuts, MIDI buttons, GPI triggers or on-screen hotspots for recall and automation <ul style="list-style-type: none">• Macro editor for modifying user-defined macro configurations and sequences• Augment and extend TriCaster operation using macro plug-ins to control external devices and applications• Enable cross-platform commands and automation between supported systems
Downstream Keyers	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 supporting standard transitions, customizable animation store transitions with audio, and overlay effects <ul style="list-style-type: none">• Supports per-pixel alpha blending between sources and real-time 3D warping of video or graphic• Includes Animation Store Creator for custom animations
Virtual Sets	30+ HD live virtual sets, with presets, multiple camera angles, real-time reflections, and specular highlights <ul style="list-style-type: none">• Live pan and zoom of virtual camera and customizable virtual camera presets with animated pan, zoom and pedestal moves• Support for up to 2 switchable live sources, with per-source 3D DVE, scaling, cropping and keying• Supports custom-created virtual sets generated using NewTek Virtual Set Editor or third-party partner solutions

Holographic Live Virtual Sets	Support for custom virtual environments generated from panoramic smartphone, camera or DSLR images <ul style="list-style-type: none"> Select sets included; custom sets require Virtual Set Editor 2.5 (sold separately)
Hotspots	Up to 8 freely configurable, interactive hotspots per input for macro control
Video Output¹	Configurable for up to 6 output connections (plus case display ⁵), with support for key output and per-connection signal settings <ul style="list-style-type: none"> 2 x digital video outputs (HDMI or SDI; connection type varies by model) 2 x supplemental Display outputs (1 x DVI and 1 x video-only HDMI) for additional screens or projectors 1 x Stream output 1 x Network output via NDI or AirSend to compatible receiving device(s)
Recording²	Multi-track, multi-format recording of up to 4 simultaneous channels via IsoCorder™ technology <ul style="list-style-type: none"> Native recording in up to 1080p with timecode Encoding format selectable from: 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) Freely choose to add recordings to Publish queue and DDR destinations <p>TriCaster Mini HD-4sdi and HD-4i: Standalone recording of up to 4 simultaneous channels to internal storage (see Recording Capacity for more details)</p> <p>TriCaster Mini HD-4: Standalone recording of up to 2 simultaneous channels to internal storage (see Recording Capacity for more details)</p>
Recording Capacity²	Simultaneous recording of up to 4 channels (2 channels per drive) to included storage or other supported storage configurations <ul style="list-style-type: none"> Supports recording to external storage via USB 3.0 Supports shared storage integration via third-party partner solutions <p>TriCaster Mini HD-4sdi and HD-4i: 2 x 750GB internal drives <ul style="list-style-type: none"> Supports standalone recording of up to 4 channels simultaneously Accommodates a total of ~30 hours 1080i (varies by resolution and format; capacity expandable using additional supported storage) </p> <p>TriCaster Mini HD-4: 1 x 750GB internal drive only <ul style="list-style-type: none"> Supports standalone recording of up to 2 channels simultaneously; up to 4 channels with external drive attached (not included) Accommodates a total of ~15 hours 1080i (varies by resolution and format; capacity expandable using additional supported storage) </p>
Grab	Grab full resolution, de-fielded still images from Program output, and freely choose to add grabs to Publish queue, Media Player presets and Buffer destinations
Media Publishing	Supports direct content upload to Facebook, Twitter™, YouTube™, FTP, local or external volumes, and network servers
Live Streaming	HD live streaming with simultaneous stream file archive <ul style="list-style-type: none"> Support for RTMP streaming, Microsoft® Windows Media® Push/Pull, and browser-based streaming applications Support for most common streaming profiles and custom multi-bitrate streaming profiles, including presets up to 720p Streaming Profile Manager with integrated Web browser

Audio Inputs³	<p>4 x embedded digital audio via video inputs (HDMI or SDI; connection type varies by model)</p> <p>1 x 1/4" (6.35 mm) balanced mic</p> <p>2 x 1/4" (6.35 mm) balanced line</p>
Audio Outputs³	<p>2 x embedded digital audio via video outputs (HDMI or SDI; connection type varies by model)</p> <p>2 x 1/4" (6.35 mm) balanced line</p> <p>1 x 1/4" (6.35mm) stereo headphone jack</p>
Audio Mixing	<p>Integrated multi-channel audio mixer for internal and external audio sources, outputs, record, stream and headphones, and 4 fully independent stereo output mixes</p> <ul style="list-style-type: none"> • Pan control, solo auditioning, seven-band equalizer and stereo compressor/limiter per input and output, with per-input audio delay control • Multi-bus routing of audio source channels to any combination of outputs, with independent level control over channels 1/2 and 3/4 for quad sources • Audio Follow Video system enabling audio to follow multiple video sources, with support for unlimited audio grouping combinations • Digital audio inputs equipped with audio time-base synchronizers • Supports hardware control via Avid® Artist Mix audio control surface (sold separately)
Supported Session Formats⁴	<p>TriCaster Mini HD-4sdi:</p> <p>NTSC model:</p> <ul style="list-style-type: none"> • 1080/30p, 1080/60i, 720/60p, 720/30p, 480/60i <p>Multi-Standard model:</p> <ul style="list-style-type: none"> • NTSC 1080/30p, 1080/60i, 720/60p, 720/30p, 480/60i • NTSC-J 1080/30p, 1080/60i, 720/60p, 720/30p, 480/60i • PAL 1080/25p, 1080/50i, 720/50p, 720/25p, 576/25i <p>TriCaster Mini HD-4i and HD-4:</p> <p>NTSC model:</p> <ul style="list-style-type: none"> • 1080/30p, 1080/60i, 720/60p, 720/30p, 480/60p <p>Multi-Standard model:</p> <ul style="list-style-type: none"> • NTSC 1080/30p, 1080/60i, 720/60p, 720/30p, 480/60p • NTSC-J 1080/30p, 1080/60i, 720/60p, 720/30p, 480/60p • PAL 1080/25p, 1080/50i, 720/50p, 720/25p, 576/50p
Supported Media File Formats	<ul style="list-style-type: none"> • Video: AVI, DV, DVCPPro, DVCPProHD, FLV, F4V, H.263, H.264, MOV, MKV, MJPEG, MPEG (1, 2, all profiles, program or transport streams), MP4, WMV, WebM, and more • Image: PSD, PNG, TGA, BMP, JPEG, EXR, RAW, TIF, and more • Audio: AIFF, MP3, WAV, and more
Media Import	Import Media application for batch import of files with optional transcoding to file formats suitable for live production use
Media Export	Export Media application for batch export of files with optional transcoding to compatible formats for different applications and devices
Monitoring	<p>DVI and HDMI monitor outputs for user interface and multiviewer displays</p> <ul style="list-style-type: none"> • Preview all sources or select sources in a variety of layouts and dual-monitor display combinations via Workspaces control panel • Multiviewer windows freely configurable for any combination of input sources, Program, Preview, M/E buses, clocks or images • A/V indicator and guide overlays configurable per multiviewer window • Integrated case display⁵ (source or output monitor only; external monitor required for user interface)
Signal Monitoring	Integrated Waveform and Vectorscope, full field rate with digital calibration, color preview and support for ITU-R Rec. 601 and 709

Session Management	Setup and store session settings in reusable template sessions
Throughput Latency	~1.0-2.0 frames
Processing	Video: 4:4:4:4, 32-bit Floating Point Audio: Floating Point, 96 kHz
Tally	Support for network tally via NDI
MIDI	Support for standard MIDI protocol enabling third-party device control of TriCaster operations via macros
Case Display⁵	<p>TriCaster Mini HD-4sdi and HD-4i: 7.0 in (17.8 cm) LCD screen with configurable output (source or output only; external monitor required for user interface)</p> <p>TriCaster Mini HD-4: Case display not available</p>
Built-In WiFi	Supports wireless connection to local network <ul style="list-style-type: none"> • 802.11ac WiFi standard
Built-In Bluetooth	Support for keyboard and mouse using wireless Bluetooth technology
System Physical	<ul style="list-style-type: none"> • 4.6 x 9.2 x 7.9 in (11.7 x 23.4 x 20.1 cm) • 9 lbs (4.1 kg) • Includes adjustable handle and cable retention bracket

Subject to change without notice.

HDMI and SDI models available. Hardware configuration and specifications vary by model.

¹ Video input and output connections vary between models

² Recording and recording capacity specifications vary between models

³ Audio input and output connections vary between models

⁴ Supported SD session formats vary between models

⁵ Case display not available on all models