

Technical Specifications



Video Input	8 x simultaneous external video inputs, supporting any combination of compatible sources
Network Video Input	8 x IP video inputs via NDI®, resolution-independent, with support for key and fill
Digital Video Input	4 x digital video connections (HDMI or SDI, depending on model) supporting video input in any combination of standard formats, resolutions, and frame rates ¹ <ul style="list-style-type: none"> • 1080p: 29.97, 25 • 1080i: 59.94, 50 • 720p: 59.94, 50, 29.97, 25 • SD: 59.94, 50, 25 <p>¹Available frame rates determined by model and session video standard (NTSC or PAL)</p>
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
Video Output	Configurable for up to 4 independent video mix outputs, with simultaneous digital and IP delivery
Network Video Output	4 x independent IP video mix outputs via NDI®
Digital Video Output	2 x independently configurable digital video outputs (HDMI or SDI, depending on model)
Stream Output	1 x streaming video output, independently configurable, with simultaneous stream archive
Monitor Outputs	1 x DVI user interface with multiviewer 1 x HDMI multiviewer 1 x DVI display output 1 x HDMI display output
Mix/Effect Buses (M/E)	4 x M/E buses, each supporting 2 configurable sources and 2 configurable KEY layers 1 x PREVIZ configuration and preview bus
DSK Channels	2 x DSK channels
Media	5 x media players <ul style="list-style-type: none"> • 2 x DDR • 2 x GFX • 1 x Sound 15 x media buffers <ul style="list-style-type: none"> • 5 x animation buffers • 10 x graphic buffers
Keys	Integrated LiveMatte™ chroma and luma keying technology on all source channels and M/E buses
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 <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
Recording	5 x configurable video recording channels via IsoCorder™ technology <ul style="list-style-type: none"> • 4 x QuickTime® archival video recorders (XDCAM HD compatible, 4:2:2 encoding, 24-bit audio, with timecode)² • 1 x H.264 distribution video recorders (multiple profiles) 1 x MP3 audio recorder <p>²QuickTime Player not required for playback in common NLE applications</p>
Storage	TriCaster Mini Advanced HD-4sdi and HD-4i: 2 x 750GB internal drive TriCaster Mini Advanced HD-4: 1 x 750GB internal drive <ul style="list-style-type: none"> • Capacity varies by format, resolution and file specification • Supports recording to external storage via USB 3.0 • Supports shared storage integration and third-party partner solutions
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 configurable DSPs, 4 x 4 x 4 audio input channel routing, and 4 independent output mixes
Local Audio Input	4 x embedded digital audio inputs (HDMI or SDI, depending on model) 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 (HDMI or SDI, depending on model) 2 x 1/4" (6.35 mm) balanced line 1 x 1/4" (6.35 mm) stereo headphones jack
Network Audio	<ul style="list-style-type: none"> • 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® <p>³Requires Dante Virtual Soundcard license from Audinate (sold separately)</p>
Supported Media File Formats	Import, store, and play back multimedia files, with optional transcoding, including: <ul style="list-style-type: none"> • Video: AVI, DV, DVCPPro, DVCPProHD, 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
Signal Monitoring	Integrated waveform and vectorscope, full field rate with digital calibration, color preview and support for ITU-R Rec. 709
Processing	Video: Floating Point YCbCr +A 4:4:4:4 Audio: Floating Point, 96 kHz
Throughput Latency	~1.0-2.0 frames
A/V Standards	<ul style="list-style-type: none"> • HD-SDI video conforms to SMPTE 292M • SD video conforms to SMPTE 259M and ITU-R BT.656 • Analog audio levels conform to SMPTE RP-155
Tally	Support for network tally via NDI®
MIDI	Support for standard MIDI protocol enabling third-party device control
NIC	1 x 1 Gigabit NIC
Case Display	TriCaster Mini Advanced 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) TriCaster Mini Advanced HD-4 Case display not available
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	NewTek Mini system chassis, including adjustable handle and cable retention bracket <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)