

Video Input	16 x simultaneous external video inputs, supporting any combination of compatible sources in resolutions up to 4K UHD at frame rates up to 60fps (2160p 59.94)
Network Video Input	to 4K UHD at trame rates up to 60tps (2160p 59.94) 16 x IP video inputs via NDI®, resolution-independent, with support for key and fill 4 x 3G/HD/SD-SDI connections supporting video input in any combination of standard formats, resolutions,
SDI Video Input ¹	and frame rates ²
	 1080p: 59.94, 50, 29.97, 25 1080i: 59.94, 50
	 720p: 59.94, 50, 29.97, 25 576i 50
	 480i 59.94 Optionally supports up to 16 simultaneous 3G/HD/SD-SDI video inputs or quad-link 3G-SDI video inputs (4K UHD) via
	network integration with NewTek NC1 conversion modules ² Available frame rates determined by session video standard (NTSC or PAL)
PTZ	Support for up to 16 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
Video Output	tally and Talk Back communication Configurable for up to 4 independent video mix outputs, with simultaneous delivery via IP and SDI
Network Video Output	IP video output via NDI, optionally configurable for: 4 x independent video mix outputs
SDI Video Output	1 x 4K UHD video mix output 4 x 3G/HD/SD-SDI connections, optionally configurable for:
	 4 x independent 3G/HD/SD video mix outputs 1 x 4K UHD video mix output via 3G-SDI quad-link grouping
Stream Output	3 x resolution-independent streaming video outputs, independently configurable, with simultaneous stream archive
Multiviewer Output	3 x multiviewer outputs supporting standard display resolutions 1 x DVI user interface with multiviewer
	 1 x HDMI multiviewer 1 x DisplayPort multiviewer
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 4 sources 4 x KEY layers per bus
	9 x memory slots per bus 1 x PREVIZ configuration and preview bus
DSK Channels Media	4 x DSK channels 5 x media players
media	• 2 x DDR
	 2 x GFX 1 x Sound
	15 x media buffers ■ 10 x animation buffers
	 5 x graphic buffers 30 x clip players (available for use as transitions or media depending on function)
Keyers	Integrated LiveMatte™ chroma and luma keying technology on all source channels and M/E buses
	 16 x input keyers 4 x media player keyers
	4 x M/E keyers1 x PREVIZ keyer
COMPs	 15 x buffer keyers 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 DataLink	Integrated LiveSet [™] technology with 30+ live virtual sets and box effects included 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 Variables support allowing operators to use logic in macros to deliver complex productions more
Recording	easily 16x configurable video recording channels
	 16x NDI® recordings 4 x QuickTime® archival video recorders
	3x H.264 distribution video recorders (multiple profiles)
Storage	1 x MP3 audio recorder 4TB internal media storage
	 2 x 4TB 7200 RPM, 128MB Cache, SATA 6.0Gb/s, 3.5" Internal Hard Drive Capacity varies by format, resolution and file specification
	 Supports recording to external storage via USB 3.0 and eSATA Supports shared storage integration and third-party partner solutions
Grab Export	Grab full-resolution, deinterlaced still images from external video sources and outputs Export video and image files to social media, FTP, local or external volumes, and network servers, with
Audio Mixer	optional transcoding Integrated multi-channel audio mixer with support for quad-channel audio, DSPs and 4x4x4 audio input routin
Local Audio Input	4 x SDI embedded 1 x Balanced XLR stereo pair (Line)
	3 x Balanced 1/4" stereo pairs (Line)
Local Audio Output	4 x SDI embedded 1 x Balanced XLR stereo pair
	1 x Balanced 1/4" stereo pair 1 x Stereo 1/4" (phones)
Network Audio	 Native support for network audio input and output via NDI Embedded audio supported for all NDI input and output video signals
	 Integrated support⁴ for Dante[™] networking protocol from Audinate[®] Support for AES67 protocol via compatible WDM audio drivers⁵
	⁴ Requires Dante Virtual Soundcard license from Audinate (sold separately)
Supported Media File Formats	⁵ Requires third-party virtual sound card license (sold separately) 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
Monitoring Signal Monitoring	Support for up to 3 multiviewer displays with configurable workspaces and viewports Integrated waveform and vectorscope, full field rate with digital calibration, color preview and support for ITU-
Processing	Rec. 709 Video: Floating Point YCbCr +A 4:4:4
Throughput Latency	Audio: Floating Point, 96 kHz ~1.0-1.5 frames
A/V Standards	4K UHD video conforms to SMPTE 2036 (UHDTV1 using Square Division Quad Split) 3G-SDI video conforms to SMPTE 424M (Level A)
	HD-SDI video conforms to SMPTE 292M
Talle	 SD video conforms to SMPTE 259M and ITU-R BT.656 Analog audio levels conform to SMPTE RP-155
Tally	Support for hardware tally via HD15 GPI connector, network tally via NDI, and Blackmagic Design [®] SDI tally standard
Genlock GPI	Genlock input supporting SD (Bi-level) or HD (Tri-level) reference signals Supports GPI signals via JLCooper Electronics eBox GPI interface
MIDI System Drive	Support for standard MIDI protocol enabling third-party device control 120GB SSD
NIC	1 x 10 Gigabit Ethernet 1 x 1 Gigabit Ethernet
USB	1 x USB 3.2 Gen 2 Type-C 7 x USB 3.2 Gen 1 Type-A
System Physical	TriCaster 1 Pro 2RU chassis with 400W PSU and multi-tiered hardware and software fail-safe
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