

TriCaster® Live Production Systems – Comparison Matrix

Key Technical Specifications

	TriCaster TC1	TriCaster 1 Pro	TriCaster 2 Elite
Key Technical Specifications			
Video Inputs	Simultaneous video inputs supporting any combination of compatible sources in resolutions up to 4K UHD at up to 60fps (2160p 59.94)		
	16		32
NDI Video Input	IP video inputs via NDI™, resolution-independent, with support for key and fill		
	16		32
SDI Video Input	3G/HD/SD-SDI connections supporting video input in any combination of standard formats, resolutions, and frame rates up to 1080p at 60fps		
	4		8
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		
	8	16	32
Video Outs	Configurable independent video mix outputs, with simultaneous delivery via IP and SDI		
	4 HD		8 HD or 2 UHD
Network Video Output	IP Outputs via NDI® with various configuration options		
	4		48
SDI Video Output	3G/HD/SD-SDI connections with various configuration options		
	4		8
Media	5 x media players (configuration below) and 15 x media buffers		
	2 x DDR 2 x GFX 1 x Sound		4 x DDR 1 x Sound
Recording	Total number of video recording channels		
	8	16	32

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Advanced Features

	TriCaster TC1	TriCaster 1 Pro	TriCaster 2 Elite
	Advanced Features		
NDI® HX Camera Apps	NDI® TriCaster Camera App for Android and iOS available free of charge; turning any mobile device into a live production camera		
	Y	Y	Y
Live Call Connect	Seamless integration of multiple remote callers from popular video communication applications like Facebook Messenger, WhatsApp, and FaceTime, Zoom, Skype TX, Microsoft® Teams, Discord, Slack and Tencent as unique video inputs.		
	N/A	Up to 4 Unique Callers	Up to 9 Unique Callers
Selectable Audio & Video Return	Enables operators to select Live Call Connect audio and video return allowing greater flexibility		
	N/A	N/A	Y
Variables Support in Macros	A dynamic and powerful tool that allows operators to use logic in macros to deliver complex productions more easily.		
	N/A	Y	Y
Neural Voice Isolation	Clean audio at the touch of a button. Using AI, TriCaster can cancel or reduce background noise and automatically detect voices; maintaining all-important production quality.		
	N/A	Y	Y
Live Streaming & Publishing	Configure and launch live streaming video to the Web with built-in streaming encoders supporting a choice of connection types, resolutions, and streaming providers, including multiple preset options and custom profile settings.		
	2	3	3
Quality Monitoring	View the resolution / frame rate of every video source coming into their TriCaster to ensure they can always be confident of the quality of their sources		
	N/A	Y	Y
Alpha Channel Outputs	Operators can now send Alpha Channel through one of the MIX outs. Bringing postproduction closer to live, users can use the keying on TriCaster to feed graphics or real time 3D creation tools		
	N/A	Y	Y
Customized Workspace	Bring the LivePanel™ Builder into the TriCaster; create bespoke user interfaces and customize each preset within the User Interface; making your distributed workflows simpler more cohesive and never compromising on quality.		
	N/A	Y	Y
NDI Genlock	Allows users to match outputs to a common sync pulse telling it exactly when to send a frame of video.		
	N/A	Y	Y

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Advanced Features continued...

Live Graphics	Design animated titles, motion graphics, and looping effects using popular Adobe® Creative Cloud® tools—then import them directly into your NewTek live production system.		
	N	Y	Y
Live Story Creator	Simply and easily build a script in Microsoft Word® with triggers for actions, once loaded into your NewTek live production system the show is easily executed.		
	N	Y	Y
LivePanel	Create your own software-based control panels and operate your NewTek live production system from any compatible desktop or mobile device—anywhere on the network.		
	N	Y	Y
Advanced Audio	Process 64+ channels of Dante™ and AES67 audio, while extracting all incoming and outgoing audio channels, including embedded SDI and NDI® to other systems		
	N	Y	Y
Virtual PTZ	Expand shot selection by creating and accessing multiple shots from any individual video signal complete with live virtual zoom and real-time pan and scan effects		
	N	Y	Y
Live Matte Ultra	Get the highest quality chroma keying with LiveMatte™ Ultra for virtual sets and other compositing applications on all inputs		
	N	Y	Y
As-run Logs	Retrieve a log of what clips or branding events played at what times to check operation and reconcile billing for advertising		
	N	Y	Y