



One Sheet & Technical Specifications

Vizionary video production with unprecedented versatility

TriCaster® Vizion is the latest evolution of this renowned video mixing tool that has been used and trusted by broadcasters, sports networks and live event producers for decades. Offering the latest in IP connectivity, configurable SDI I/O, powerful switching, audio mixing and state of the art graphics, TriCaster Vizion is built for the future. Now with exciting new AI features and industry leading graphics capabilities with TriCaster Graphics powered by Viz Flowics.

The future proofing isn't limited to features; TriCaster Vizion is the first software and hardware TriCaster that is available to purchase with a perpetual or subscription license with a choice of two different hardware platforms offering the ultimate in production and budget flexibility – equipping your network, team or enterprise for whatever the future may hold.

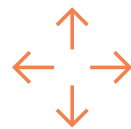
Future-proofed features



TriCaster Vizion is built with both powerful new and roadmap production tools, harnessing the power of AI to create amazing content. With 44 live inputs, up to 16 configurable SDI inputs / outputs, 4 media players, 8 MEs as well as enhanced remote production tools like Live Call Connect, it's the perfect solution for sophisticated, multi-camera productions by broadcasters, media publishers and stadiums,

Reliable Versatility

Vizion puts the power firmly in the user's hands with a choice of 5 different hardware configurations to suit any production requirement and budget. Offering unmatched production versatility with up to 16 configurable 12G SDI input / output options, TriCaster Vizion utilizes industry-leading providers HP and Matrox devices.



Production Protection



We care about your productions and support is a fundamental part of the TriCaster Vizion solution including a 3-year hardware warranty. Subscriptions come with Professional tier support as standard including 24/7 phone support and a dedicated Customer Success Manager. Perpetual systems will include 1-year of standard support.





TriCaster[®] Vizion

Technical Specifications

Video Input	44 x simultaneous external video inputs, supporting any combination of compatible sources in resolutions up to UHD at frame rates up to 60fps (2160p 59.94)
Network Video Input	44 x IP inputs via NDI [®] , resolution-independent, with support for key and fill
SDI Video Input¹	12G/3G/HD SDI connections supporting video input in any combination of standard formats, resolutions, and frame rates ² <ul style="list-style-type: none">• 2160p 59.94, 50, 29.97, 25• 1080p: 59.94, 50, 29.97, 25• 1080i: 59.94, 50• 720p: 59.94, 29.97, 25 <p>¹ Up to 16 configurable ports depending on hardware version. These ports can be configured for input or output. Up to 8 ports support 12G signals.</p> <p>² Available frame rates determined by session video standard (NTSC or PAL)</p>
Video Output	Configurable for up to 8 independent HD or 2 UHD video mix outputs, with simultaneous delivery via IP and SDI
Network Video Output	56 x IP outputs via NDI [®] (HD sessions only) <ul style="list-style-type: none">• 8 x video mix outputs in resolutions up to 1080p at frame rates up to 60fps (1080p 59.94) or 2 x UHD video mix outputs at up to 60 frames per second (2160p 59.94)• Up to 16 x direct IP source outputs via NDI[®] translation of local SDI inputs• 4 x direct IP source outputs via NDI[®] translation of media players, with support for embedded alpha channel• 15 x direct IP source outputs via NDI[®] translation of media buffers, with support for embedded alpha channel• 3x Multiviewer outputs (if 3 monitors are connected). 4K support on 2x Multiviewer outputs while the 3rd outputs in HD• 1x User Interface with dedicated multiviewer• 1x teleprompter output (LiveStory™ Creator)• 8 x selectable IP outputs via internal NDI[®] matrix router
SDI Video Output	12G/3G/HD SDI connections, optionally configurable for: <ul style="list-style-type: none">• 8 x independent 12G/3G/HD video mix outputs supporting standard NTSC and PAL formats, resolutions, and frame rates³ <p>³ Available frame rates determined by session video standard (NTSC or PAL)</p>
Audio	44 channel integrated audio mixer with support for 8-channel audio, DSPs and 4x8x8 audio input routingSSD
Local Audio Input	<ul style="list-style-type: none">• Up to 16 x SDI embedded
Local Audio Output	Up to 8 x SDI Embedded
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 support⁵ for Dante™ networking protocol from Audinate[®]• Support for AES67 protocol via compatible WDM audio drivers⁶ <p>⁵ Requires Dante Virtual Soundcard license from Audinate (sold separately)</p> <p>⁶ Requires third-party virtual sound card license (sold separately)</p>

Media	<p>5 x media players</p> <ul style="list-style-type: none"> • 4 x DDR • 1 x Sound <p>15 x media buffers</p> <ul style="list-style-type: none"> • 10 x animation buffers with GIF support • 5 x graphic buffers
Keyers	<p>Integrated LiveMatte™ chroma and luma keying technology on all source channels and M/E buses</p> <ul style="list-style-type: none"> • 44 x input keyers • 4 x media player keyers • 8 x M/E keyers • 1 x PREVIZ keyer • 15 x buffer keyers
COMPs	<p>Integrated video composition engine on the switcher and each M/E bus to create, store, and apply layer configurations and DVE-style motion sequences</p> <ul style="list-style-type: none"> • 16 x configurable COMP presets per bus
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	<p>Record, store, edit and automate commands and user-configured operation sequences</p> <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	<ul style="list-style-type: none"> • 8 x configurable M/E channels • Up to 16 x physical SDI inputs • 4 x DDR's • 3 x streaming encoders • Support for growing file playback from DDR's • Instant Replay capability on each input • 44 x total configurable inputs
Storage	<p>4 TB SSD internal storage</p> <ul style="list-style-type: none"> • Supports recording to external storage via 7 USB 3.2 type A, and 1 USB 3.2 type C, 1 USB 2.0 2(Gen2, Type A) • Supports shared storage integration and third-party partner solutions
PTZ	Support for up to 44 simultaneous Pan-Tilt-Zoom (PTZ) robotic cameras via serial and network protocols, including RS232, RS422 and IP, with integrated controls and preset system
Conference Calling	Support for multiple simultaneous video call inputs with Microsoft Skype™, Microsoft Teams™, Zoom Meetings™, Slack, Discord™, and Tencent™ software integration using the Live Call Connect feature,
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
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
Monitoring	Support for up to 4 multiviewer displays with configurable workspaces and viewports. 4 outputs are via Display port connection
Signal Monitoring	Integrated waveform and vectorscope, full field rate with digital calibration, color preview and support for ITU-R Rec. 709

Processing	Video: YCbCr + Alpha color space, using 4:2:2:4 Audio: Floating Point, 96 kHz
Latency	Processing Latency: ~1.0-1.5 frames Practical Throughput Latency: 4 frames
A/V Standards	<ul style="list-style-type: none"> • 12G-SDI video conforms to SMPTE ST 2082 • 3G-SDI video conforms to SMPTE 424M (Level A) • HD-SDI video conforms to SMPTE 292M
Tally	Network tally via NDI®, and Blackmagic Design® SDI tally standard
Genlock	Genlock input per I/O board supporting SD (Bi-level) or HD (Tri-level) reference signals
GPI	Supports GPI signals via JLCopper Electronics eBox GPI interface
MIDI	Support for standard MIDI protocol enabling third-party device control
System Drive	500GB SSD
NIC	<ul style="list-style-type: none"> • 1 x 10 GbE • 1 x 1 Gigabit NIC
System Physical	1RU chassis with redundant 675W PSU, Tower chassis with 1 x 1125W PSU <ul style="list-style-type: none"> • Tower - 17.5 x 15.2 x 6.65" / 44.5 x 38.6 x 16.89 cm - 27.8 lb / 12.6 kg • 1RU Rack - 25.7 x 17.2 x 1.7" / 65.4 x 43.8 x 43 cm - 26.7 lb / 12.1 kg
Operating Conditions	Temperature Range <ul style="list-style-type: none"> • Operating: 5° to 27°C (40° to 80°F) • Non-Operating: -40° to 60°C (-40° to 140°F) Humidity Range <ul style="list-style-type: none"> • Operating: 8% to 85% relative humidity, non-condensing, 35° C maximum wet bulb • Non-operating: 8% to 90% relative humidity, non-condensing, 35° C maximum wet bulb
Viz Flowics Basic Plan	4 Users 5GB Asset Library 1 Output 1 Team Graphics Editor <ul style="list-style-type: none"> • Timeline-based Animations • Text Crawler • Assets Library • Custom Fonts • 140 ready-to-use free graphics Data Integrations <ul style="list-style-type: none"> • Google Sheets Data Provider • RSS / Atom Data Provider • JSON REST Connector • JSON WebSocket Connector • Data Bridge Security – MFA Control API 24/7 Live Chat & Knowledge Base Support Viewer Engagement - X (Twitter) & Instagram Search Viz Flowics runs in cloud, rendered locally via TriCaster Live Link.

Subject to change without notice.



TriCaster[®] Vizion

Support Details



Subscription systems have Professional Support as part of the Subscription.



Maintenance updates for TriCaster Vizion are available to all users. New feature updates are available to users with an active support plan.



Perpetual systems will include 12 months of Standard Support. 1st year can be upgraded to Professional. Additional years to be purchases as Standard or Professional.



Advanced hardware replacement can be bolted onto any support plan.

		Standard	Professional
		Incl. 1 st yr Perpetual	Incl. subscription
Support Contact	24/7 Portal	✓	✓
	24/7 Live Chat	✓	✓
	24/7 Phone Contact		✓
Support Commitments	Response Time (Critical)	<4 Hours	<1 Hour
	Response Time (High)	<8 Hours	<2 Hours
	Response Time (Normal)	<24 Hours	<4 Hours
Support & Maintenance	Licensing & Software Updates	✓	✓
	Viz University	✓	✓
	Remote System Support	✓	✓
	Submit Feature Ideas	✓	✓
Global Support Knowledge	Self-Service Knowledge Base	✓	✓
	Vizrt Community Forums	✓	✓
3rd Line Technical	Availability	8*5	8*5
Bolt-Ons	Advanced Hardware Replacements	\$	\$