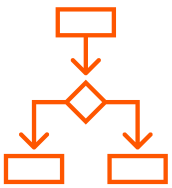
TriCaster Prizm

TriCaster Prizm redefines the heart of the TriCaster portfolio, offering a single, scalable solution for organizations that need professional production capabilities without unnecessary complexity. Whether you're producing school broadcasts, worship services, live events, or corporate communications, Prizm gives you the confidence to grow on one platform from day one.

Stronger TriCaster, backed by Vizrt.

New hardware foundation, new engine, real roadmap. Vizrt is all-in on TriCaster and Prizm is what that continued investment in our core products looks like. The powerful 2RU chassis offers 16 inputs with the choice of 0 or 8 SDI IO, supporting any combination of compatible sources in resolutions up to UHD.

One Show. Any Source. Every Platform.

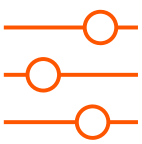


TriCaster Prizm brings remote contributors and hybrid productions together as one seamless show, no matter where your talent, cameras, or sets are. From there, it streams and publishes live straight to the platforms your audience is watching, no extra step between production and distribution. It's everything a modern hybrid production needs, built into one system.

Built to Grow with You.

Whether you're producing today's livestreams or planning for tomorrow's bigger events, TriCaster Prizm is designed to scale with you. Its flexible architecture makes it easy to expand capabilities over time, giving organizations a future-ready production platform that adapts as their needs evolve.

Introducing The All-New LivePanel Pro



Define your workflow and build the control interface you imagine. Role-based access control locks down custom dashboards once designed. LivePanel Pro turns remote buttons into a fully customizable production platform, exclusive to TriCaster Prizm and Vizion.

Technical Specifications

Video Input	16 total 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	Up to 16 IP inputs via NDI®, resolution-independent, with support for key and fill Also supports SRT, RTMP, RTSP, and WebRTC
Video Output	Configurable for up to 4 independent 3G/HD or 2 x UHD and 2 x 3G/HD video mix outputs, with delivery via IP.
Network Video Output	28 x IP outputs via NDI® (HD sessions only) • 4 x video mix outputs in resolutions up to 1080p at frame rates up to 60fps or 2 x UHD video mix outputs at up to 60 frames per second (2160p 59.94) • 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)
Audio	16 channel integrated audio mixer with support for 8-channel audio, DSPs and 4x8x8 audio input routing
Local Audio Input	• 1 x balanced stereo pair in via 1/4” • 1 x Mic input via 1/4”
Local Audio Output	• 1 x balanced stereo pair out via 1/4” • 1 x Headphone out via 1/4"
Network Audio	• Native support for network audio input and output via NDI® • Embedded audio supported for all NDI®input and output video signals • Integrated support[5] for Dante™ networking protocol from Audinate® • Support for AES67 protocol via compatible WDM audio drivers[6] [5] *Requires Dante Virtual Soundcard license from Audinate (sold separately)* [6] *Requires third-party virtual sound card license (sold separately)*
Media	5 x media players • 2 x DDR • 1 x Sound 15 x media buffers • 10 x animation buffers with GIF support • 5 x graphic buffers
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 keyers • 1 x PREVIZ keyer • 15 x buffer keyers
COMPs	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	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 • 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	No software limit
Storage	4 TB internal storage
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
Conference Calling	Support for Zoom, Teams NDI, and web browser
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	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	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
Tally	Network tally via NDI®, TSL 5 support
GPI	Supports GPI signals via JLCooper Electronics eBox GPI interface
MIDI	Support for standard MIDI protocol enabling third-party device control
System Drive	250 GB System Drive
NIC	• 1 x 10 GbE via RJ-45 • 1 x 2.5 GbE via RJ-45 • 1 x 1 GbE via RJ-45
USB	• 2 x USB 2.0 • 5 x USB 3.2 Gen2 • 1 x USB 3.2 Gen2x2 (Type C, 5V/3A)
System Physical	2RU Chassis with 500W PSU • 19.0 x 3.5 x 19.57 in (48.3 x 8.9 x 49.7 cm) • 32 pounds/14.5 kg in packaging
Box Contents	Keyboard and Mouse, 3 x Mini DisplayPort to DisplayPort Adapter, 1 x Mini DisplayPort to HDMI Adapter, Power Cord.

Specifications and features are subject to change without notice. Vizrt reserves the right to update technical specifications, features, and product details at any time at its sole discretion