



Viz Connect

Viz Connect Tetra: One Sheet & Tech Specs

Viz Connect Tetra: Connect, Convert, Create

Viz Connect Tetra is a versatile and powerful 4-channel converter which harnesses the world's leading video production technologies all in an ultra-compact desktop unit you can take anywhere and connect to anywhere in the world.

Viz Connect Tetra - Product Highlights

Seamlessly connecting 12G SDI, 3G SDI, NDI® with NDI® Bridge and Flowics HTML 5 graphics, Viz Connect Tetra enables Vizrt content creation, anywhere! A true One Vizrt product, connecting NDI, SDI, Viz Flowics HTML 5 including Key and Fill output, Tetra can be used to connect video and audio sources and destinations through local, remote and cloud TriCaster productions and more.



4 Flexible I/O Channels

For the first time in a Viz Connect product, 12G SDI and 3G-SDI can be converted through NDI® High-Bandwidth with no compromise in each channel.



Viz Flowics

Ingest Viz Flowics / HTML 5 to NDI® for IP deployment, or SDI (including key & fill mode) for baseband systems integration.



Audio Routing

Offering 16 x 16 audio routing, users can “reshuffle” audio patching in each channel for on-the-go use, e.g. audio commentary for sports, translation for ProAV.



12G SDI Connectivity

4 x 3G / 12G SDI connections can be used independently or in Key/Fill pairs for a wide range of deployments; Cameras, Graphics, Monitoring.



NDI® Bridge

With NDI Bridge pre-installed on Viz Connect Tetra, users can seamlessly enable production capabilities with cloud and remote productions without additional hardware*.



Viz Connect Family

Expands on the features Viz Connect users already know and love, including Multiviewer, ProcAmps, audio embedding and more.

NDI|HX Support for 4K Sources limited to 1x stream in either direction at launch. 4K and HD NDI High Bandwidth, and HD NDI|HX streams can be utilised across all 4x channels.



Viz Connect Tetra – Technical Specifications

Video In	NDI® High Bandwidth, NDI HX*, Viz Flowics HTML 5, SRT, SDI, RTMP, RTSP
Video Out	NDI® High Bandwidth, SDI
IO IP Channels	Up to 4x IO channels as input or output, configurable as follows:
4K UHD and HD SDI I/O support	Up to 4x via 12G-SDI HD-BNC, configurable as up to 2x Key and Fill Pairs assignable to IO channels
Flowics and HTML 5 support	Up to 4x Viz Flowics HTML5 sources, convertible to either NDI with key and Fill, or 2x SDI key and fill pairs, or 4x as SDI fill only assignable to IO channels.
Remote Production and bandwidth control support	NDI® Tools Bridge integration (supporting Join and Local modes only) to connect to NDI® Bridge hosts over public internet. • Up to 4x channels supported as NDI High Bandwidth in 4K UHD and HD, • 4x channels NDI HX 2 in HD H.264 or HEVC codec, • or 1x channel 4K UHD as H.264 or HEVC codec • Please note multichannel and HEVC modes are not supported at this time for 4K UHD feeds.
Media Playback Channels	Up to 4x
Recording Channels	Up to 4x as NDI in .mov containers
Supported Video Formats	2160p: 59.94, 50, 29.97, 25, 24, 23.976 1080p: 59.94, 50, 29.97, 25, 24, 23.976 1080i: 59.94, 50 720p: 59.94, 29.97, 25, 24, 23.976 1080p: 60, 59.94, 50 1080p/PsF: 30, 29.97, 25, 24, 23.98 1080i: 30, 29.97, 25 720p: 60, 59.94, 50
Supported Media Formats	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
Audio I/O	Up to 4x SDI embedded, USB Audio Devices, IP feeds with embedded audio.

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Audio Channels and Routing	Up to 16x audio channels per IO channel with repatching/routing on 16x16 matrix
Audio Networking	Native support for network audio input and output via NDI® Embedded SDI audio supported for all NDI® input and output video signals Support ¹ for Dante™, and ASIO protocols via compatible 3 rd party audio drivers
Timecode	LTC and VITC
Signal Monitoring	Integrated waveform and vectorscope, full field rate with digital calibration, color preview and support for ITU-R Rec. 709
A/V Standards	12G-SDI (ST 2082-10) 6G-SDI (ST 2081-10) 3G-SDI Level A (ST 425-1 Level A Mapping), HD-SDI (ST 292), SD-SDI (ST 259)
Genlock	Reference input supporting SD (Bi-level), HD (Tri-level), or network (NDI) supported
Displays	3x Display port 1.2, one utilised for GUI
Front ports	1x USB -A 3.2 Gen 2 (10Gbs) 2x Thunderbolt 4 (USB-C 40Gbs)
Rear Ports	4x USB-A 3.2 Gen 2 (10Gbs)
Networking	1 x 2.5 Gigabit NIC (2.5GBASE-T over RJ45) 1 x 1 Gigabit NIC (RJ45)
System Physical	H 7.9in (20.2cm) x W 3.4in (8.7cm) x D 8.7 in (22.3cm) in vertical stance, H 3.4in x W 3.4in (20.2cm) x D 8.7in (22.3) in horizontal stance. Rack kit for up to two units available. 1.8Kg / 3.96lbs SUBJECT TO CHANGE.

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