Viz Connect

Viz Connect Studio I/O – One Sheet & Technical Specifications

The Viz Connect Studio I/O is Vizrt's most advanced studio module; perfect for production professionals and broadcasters, it offers support for 12G-SDI, 8 channel recording and 10 Gigabit Ethernet connectivity; the Viz Connect Studio I/O connects multiple video and audio formats including NDI®, SDI, and other IP formats. The Viz Connect Studio I/O is far more than conversion offering signal capture, media file playback, selectable multi-viewers, and professional video scopes.

Key Features

Broadcast Ready with dynamic I/O configuration

2 RU Rack-mountable, the Viz Connect Studio I/O supports12G-SDI; the dynamic I/O set-up can be configured as 8 x 3G-SDI , 2 x 12G-SDI with 4 x 3G-SDI, or a wide range between. Support SDI ranging from SD to UHD including quad-link grouping and 6G-SDI is offered.

Built for NDI

Supporting 10Gb Ethernet, the Viz Connect Studio I/O is ideally placed for use in high-speed networking environments such as broadcast workflows and is perfect for NDI traffic. Built to work with NDI 6, it supports all the latest and upcoming features.

Adapts to any workflow

Viz Connect Studio I/O is a powerful, adaptable solution offering IP flexibility while making use of existing SDI equipment and infrastructure. Audio integration provides adaptable workflows through connection with USB and network-based audio drivers (DANTE™/AES67/ASIO/WDM).[1] Management and control of each channel can be harnessed locally, through integrated NDI KVM technology, or a web-based API.

1Compatible audio drivers and/or virtual sound card licenses required (sold separately)

Technical Specifications

Video In	NDI®[2], SRT, SDI, RTMP, RTSP
Video Out	NDI®, SDI
IP I/O	Up to 8x
SDI I/O	Up to 8x via HD-BNC
4K UHD SDI I/O	Up to 2x via 12G-SDI, 6G-SDI, or quad-link 3G-SDI
Media Playback Channels	Up to 8x
Recording Channels	Up to 8x SDI Inputs Only
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 576i 50 480i 59.94 1080p: 60, 59.94, 50 1080p/PsF: 30, 29.97, 25, 24, 23.98 1080i: 30, 29.97, 25 720p: 60, 59.94, 50 576i: 25 480i: 29.97
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 8x SDI embedded
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™, AES67, and ASIO protocols via compatible 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), Quad Link 3G-SDI (ST 425-5), HD-SDI (ST 292), SD-SDI (ST 259)
Video Processing	YCbCr + Alpha color space, using 4:2:2:4
Audio Processing	Floating Point, 96 kHz
Genlock	Reference input supporting SD (Bi-level), HD (Tri-level), or network (NDI) supported
Multiviewer	Via HDMI or DisplayPort
NIC	1 x 10 Gigabit NIC (10GBASE-T over RJ45) 1 x 2.5 Gigabit LAN 1 x 1 Gigabit NIC (RJ45)
System Physical	2 RU chassis with 500W PSU 19 x 3.5 x 19.57 inches (48.3 x 8.9 x 49.7 cm) with rack ears Rack rails sold separately