

## NC2 Studio I/O – One Sheet & Tech Specs

The NC2 Studio I/O is NewTek'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 NC2 Studio I/O Module connects multiple video and audio formats including NDI®, SDI, and other IP formats. The NC2 Studio I/O Module 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

1 RU Rack-mountable, the NC2 Studio I/O supports 12G-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 NC 2 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 5, NC 2 I/O supports all the latest and upcoming features.



#### Adapts to any workflow

NC 2 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).<sup>1</sup> Management and control of each channel can be harnessed locally, through integrated NDI KVM technology, or a web-based API.

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

## NC2 Studio I/O – Technical Specifications

<b>Video In</b>	NDI® <sup>2</sup> , SRT, SDI, RTMP, RTSP
<b>Video Out</b>	NDI®, SDI
<b>IP I/O</b>	Up to 8x
<b>SDI I/O</b>	Up to 8x via HD-BNC
<b>4K UHD SDI I/O</b>	Up to 2x via 12G-SDI, 6G-SDI, or quad-link 3G-SDI
<b>Media Playback Channels</b>	Up to 8x
<b>Recording Channels</b>	Up to 8x SDI Inputs Only
<b>Supported Video Formats</b>	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
<b>Supported Media Formats</b>	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
<b>Audio I/O</b>	Up to 8x SDI embedded
<b>Audio Networking</b>	Native support for network audio input and output via NDI® Embedded SDI audio supported for all NDI® input and output video signals Support <sup>1</sup> for Dante™, AES67, and ASIO protocols via compatible audio drivers
<b>Timecode</b>	LTC and VITC
<b>Signal Monitoring</b>	Integrated waveform and vectorscope, full field rate with digital calibration, color preview and support for ITU-R Rec. 709
<b>A/V Standards</b>	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)
<b>Video Processing</b>	Floating Point, YCbCr +A 4:4:4:4
<b>Audio Processing</b>	Floating Point, 96 kHz
<b>Genlock</b>	Reference input supporting SD (Bi-level), HD (Tri-level), or network (NDI) supported
<b>Multiviewer</b>	1x USB Type C
<b>NIC</b>	1 x 10 Gigabit NIC (10GBASE-T over RJ45) 1 x 1 Gigabit NIC (RJ45)
<b>System Physical</b>	H 1.88in (4.28cm) x W18.97in (48.2cm) x D22.73in (57.75cm) / 23.19in (58.91cm) with Bezel – Racking Kit Included 27.38lb / 12.42kg

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

<sup>2</sup>Up to two (2) channels of HEVC at 1080/59.94p decode supported

Subject to change without notice.