

NewTek NC1 Studio I/O Module Technical Specifications

Local Video I/O	8 x 3G/HD/SD-SDI connections via mini-BNC (DIN 1.0/2.3), configurable for any combination of inputs and outputs, including single-channel or dual-channel 4K UHD (Ultra High Definition) input and/or output via 3G-SDI quad-link grouping
Network Video I/O	8 x NDI™ inputs 8 x NDI outputs
Media	Support for up to 8 simultaneous channels of integrated media playback, configurable per channel, and available for NDI and SDI output
IP Video Input	Support for a range of video over IP input sources, including RTMP, RTSP, and HTTP streams
Multiviewer Output	1 x HDMI or DisplayPort interface with multiviewer
Local Audio I/O	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 support¹ for Dante™ networking protocol from Audinate® • Support for AES67 protocol via compatible WDM audio drivers² <p>¹ Requires Dante Virtual Soundcard license from Audinate (sold separately) ² Requires third-party virtual sound card license (sold separately)</p>
Recording	8 x recording channels via IsoCorder™ technology <ul style="list-style-type: none"> • QuickTime® (XDCAM HD compatible, 4:2:2 encoding, 24-bit audio, with timecode)³ • Supports recording to external storage via USB 3.0 • Supports shared storage integration and third-party partner solutions <p>³ QuickTime Player not required for playback in common NLE applications</p>
Grab	Grab full resolution, deinterlaced still images from external video sources
Supported SDI Formats	<ul style="list-style-type: none"> • 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
Supported Media File Formats	<ul style="list-style-type: none"> • Video: AVI, DV, DVCPPro, DVCPProHD, 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	Integrated multiviewer display with configurable workspaces and viewports
Signal Monitoring	Integrated waveform and vectorscope, full field rate with digital calibration, color preview and support for ITU-R Rec. 709
Processing	Video: Floating Point, YCbCr +A 4:4:4:4 Audio: Floating Point, 96 kHz
A/V Standards	<ul style="list-style-type: none"> • 4K UHD video conforms to SMPTE 2036 (UHDTV1 using Square Division Quad Split) • 3G-SDI video conforms to SMPTE 424M (Level A) • HD-SDI video conforms to SMPTE 292M • SD video conforms to SMPTE 259M and ITU-R BT.656 • Analog audio levels conform to SMPTE RP-155
NIC	2 x 1 Gigabit NIC
System Physical	1RU chassis with 280W redundant PSU <ul style="list-style-type: none"> • 19.0 x 1.75 x 16.75 in (48.3 x 4.5 x 42.5 cm) with rack ears attached

Subject to change without notice.

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