

Link do produktu: <https://www.wamm.pl/newtek-nc1-studio-io-module-p-2878.html>

## NewTek NC1 Studio I/O Module



Dostępność	<b>Na zamówienie</b>
Czas wysyłki	<b>10 dni roboczych</b>
Numer katalogowy	<b>NC1I/O</b>
Kod producenta	<b>NC1I/O</b>
Producent	<b>Vizrt</b>

### Opis produktu

#### Seamless Interoperability for IP Video Production

Complete your current workflow or create an entirely new one, bridging your network of NDI® systems and software with SDI or SMPTE ST 2110 infrastructure. With the turnkey connection and conversion capabilities of NewTek NC1 Studio I/O Modules, you can integrate compatible devices across your network for switching, streaming, display, and delivery.

- Multi-channel video translation for delivery to compatible destinations and devices with near-zero latency
- Stackable, scalable architecture supporting systematic expansion and strategic deployment
- Fully equipped for facility installation with low-profile 1RU chassis, industry-standard hardware, and redundant power
- Designate for any supported I/O combination, with format and resolution independently configurable per channel
- Built-in video server function with extensive file format support and full-resolution playback
- Integrated NDI® KVM technology enabling remote module access and control
- Flexible audio integration, to include comprehensive support for Dante™, AES67, and ASIO sound devices\*

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

Commitments and requirements vary from production to production, environment to environment. Powerful and versatile, NewTek NC1 Studio I/O Modules effortlessly adapt to evolving production needs to facilitate the multi-source, multi-destination, multi-system, and multi-site workflows that your unique business models demand.

Be confident in your presentation with local monitoring and management tools to include a dedicated multiviewer with selectable workspace layouts and customizable viewports, integrated waveform and vectorscope displays, and precision color correction capabilities.

#### NC1 Studio I/O Module

- Convert up to 8 compatible video sources to SDI or NDI® for input, output, or a combination of both
- Configure for dual-channel 4K Ultra HD at 60 frames per second via 3G-SDI quad-link grouping
- Eight SDI video connections via DIN 1.0/2.3 with support for embedded audio
- Two RJ-45 Gigabit interfaces to connect to standard Ethernet

### Specyfikacja Techniczna

	NC1 Studio I/O Module	NC1 Studio I/O Module
Interoperability	NDI® and SDI	NDI® and SMPTE ST 2110
IP I/O	Up to 8x	Up to 4x
3G/HD/SD-SDI I/O	Up to 8x via HD-BNC	-

4K UHD I/O	Up to 2x via quad-link 3G-SDI	-
Media Playback Channels	Up to 8x	Up to 4x
Recording Channels	Up to 8x SDI Inputs Only	-
Supported Video Formats	<ul style="list-style-type: none"> <li>• 2160p: 59.94, 50, 29.97, 25, 24, 23.976</li> <li>• 1080p: 59.94, 50, 29.97, 25, 24, 23.976</li> <li>• 1080i: 59.94, 50</li> <li>• 720p: 59.94, 29.97, 25, 24, 23.976</li> <li>• 576i 50</li> <li>• 480i 59.94</li> <li>• 1080p: 60, 59.94, 50</li> <li>• 1080p/PsF: 30, 29.97, 25, 24, 23.98</li> <li>• 1080i: 30, 29.97, 25</li> <li>• 720p: 60, 59.94, 50</li> <li>• 576i: 25</li> <li>• 480i: 29.97</li> </ul>	
Supported Media Formats	<ul style="list-style-type: none"> <li>• Video: AVI, DV, DVCPPro, DVCPProHD, FLV, F4V, H.263, H.264, MOV, MKV, MJPEG, MPEG, MP4, WMV, WebM, and more</li> <li>• Image: PSD, PNG, TGA, BMP, JPEG, JPEG-XR, JPEG2000, EXR, RAW, TIF, WebP, and more</li> <li>• Audio: AIFF, MP3, WAV, and more</li> </ul>	
Audio I/O	Up to 8x SDI embedded	-
Audio Networking	<ul style="list-style-type: none"> <li>• Native support for network audio input and output via NDI®</li> <li>• Embedded audio supported for all NDI® input and output video signals</li> <li>• Support1 for Dante™, AES67, and ASIO protocols via compatible audio drivers</li> </ul>	
Signal Monitoring	Integrated waveform and vectorscope, full field rate with digital calibration, color preview and support for ITU-R Rec. 709	
A/V Standards	<ul style="list-style-type: none"> <li>• 4K UHD video conforms to SMPTE ST 2036 (UHDTV1 using Square Division Quad Split)</li> <li>• 3G-SDI video conforms to SMPTE 424M (Level A)</li> <li>• HD-SDI video conforms to SMPTE 292M</li> <li>• SD video conforms to SMPTE 259M and ITU-R BT.656</li> <li>• Analog audio levels conform to SMPTE RP-155</li> <li>• Serial digital component 4:2:2 video in accordance with SMPTE ST 259M, ST 292M, and ST 425-AB</li> <li>• Support for 16-bit, 20-bit, and 24-bit audio streams</li> </ul>	
Video Processing	Floating Point, YCbCr +A 4:4:4:4	8-bit and 10-bit YUV 4:2:2
Audio Processing	Floating Point, 96 kHz	48 kHz
Genlock	Genlock input supporting SD (Bi-level) or HD (Tri-level) reference signals	Supported over IP as per SMPTE ST 2059-2
Multiviewer	1x HDMI or DisplayPort	1x HDMI
NIC	2 x 1 Gigabit NIC	2 x 1 Gigabit NIC 2 x 10 Gigabit NIC2
System Physical	1RU chassis with 280W redundant PSU 19.0 x 1.75 x 16.75 in (48.3 x 4.5 x 42.5 cm) with rack ears attached	

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

*2IEEE 802.3ae; optical; MSA-compatible SFP+ A and SFP+ B transceivers supported*

*Subject to change without notice.*

## Funkcje

### Studio I/O Module Features

From connecting established and emerging technologies, to expanding the quantity and type of available inputs and outputs, to linking locations across your network, NewTek NC1 Studio I/O Modules are powerful, versatile, and fully turnkey systems made for IP video production workflows.

### 3G/HD/SD I/O

Input, translate, and output multiple video channels in resolutions up to 1080p at 60 frames per second.

### **Color Correction**

Independently adjust the color characteristics of each channel, manually configuring brightness, contrast, hue, saturation, white balance, and more with integrated proc amp controls, or optionally enable automatic color matching between channels.

### **Compatible With Any NDI® Workflow**

Integrate over IP with any compatible system, device, or application that supports NDI®, including NewTek solutions and products from third-party manufacturers and developers.

### **Configurable A/V Sources**

Independently configure the video and audio for each channel, selecting from any source accessible to your Studio I/O Module.

### **Multi-Format Processing**

Accept and deliver video in any combination of compatible formats, with resolution and frame rate configurable per channel.

### **Multiviewer**

Monitor a single source, multiple live signals, or all channels simultaneously, with selectable workspace layouts and customizable viewports.

### **NDI® KVM**

Access the user interface and control your Studio I/O Module remotely from any compatible computer, device, or touchscreen connected to the same network.

### **Professional Audio**

Present high-quality sound, with flexible audio integration to include comprehensive support\* for Dante™, AES67, and ASIO sound devices\*

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

### **Rackmount Chassis**

Industry-standard 1RU rackmount chassis integrates into any professional production environment, setup, or workflow.

### **Redundant Power**

Safeguard module availability with 280W redundant power supplies.

### **Video Servers**

Optionally configure each channel for stored media playback, with extensive file format support, on-screen transport controls, and Autoplay setting.

### **Waveform and Vectorscope**

Calibrate and monitor video signals for broadcast compliance and viewing quality with built-in waveform and vectorscope displays.

### **Free System Updates**

Download and install free system updates to ensure your Studio I/O Module is equipped with the latest features, capabilities, and performance enhancements.

## **NewTek NC1 Studio I/O Module Exclusive Features**

### **SDI Interoperability**

Connect up to eight SDI production devices via DIN 1.0/2.3 for input, output, or a combination of both, with support for

embedded audio.

## **4K UHD I/O**

Native support for 2160p video at up to 60 frames per second, with baseband input, output, or both enabled via 3G-SDI quad-link grouping.

## **Grab**

Grab full-resolution still images of channel video for real-time use, post-production activities, or archive.

## **Hardware Destination**

Direct the video and audio output from the designated channel to a specific SDI connector on the module backplane, or other supported devices where applicable.

## **Network Source Support**

Optionally configure other network sources for input or output, with support for real-time conversion and transmission of common IP video stream formats to include RTMP, RTSP, and HTTP.

## **Recording**

Capture native-resolution video from one, multiple, or all channels to external USB 3.0 media drives or network attached storage.

## **Remote Access**

Monitor live signals and control your Studio I/O Module remotely from the browser of any networked device, including iOS and Android mobile devices, with a system-specific webpage.

## **NewTek NC1 Studio I/O IP Module Exclusive Features**

### **SMPTE ST 2110 Interoperability**

Support for full bi-directional conversion of SMPTE ST 2110 to and from NDI®, with guaranteed non-bursty packet transmission of essence signals.

### **10GbE Networking with SFP+ Support**

Outfitted with dual-port 10 Gigabit NIC with SFP+ interfaces supporting MSA-compatible transceivers.

### **16-Channel Audio**

Support for up to 16 channels of AES67 PCM audio per video flow for SMPTE ST 2110-30 encapsulation.

### **Genlock**

Support for genlock over IP as per SMPTE ST 2059-2.

### **Virtualization Gateway**

Deploy as a bridge between standards-based SMPTE ST 2110 infrastructure and a virtualized environment utilizing NDI® to move video between VMs.

*Subject to change without notice.*

## **Rejestracja Vizrt**

**WAMM Video Solutions** posiada status **Platinum Partnera Vizrt**

Aby zarejestrować produkt firmy Vizrt skorzystaj z linku.

[Link do rejestracji produktów Vizrt](#)