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3G-SDI/NDI Bi-Directional Converter

Kiloview N3 HD Video Encoder/Decoder

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NDI | PoE

OUT

IN

DC5-18V

Tally

A Professional NDI Video Converter

Kiloview N3 3G-SDI/Full NDI converter is a bi-directional converter that supports 3G-SDI video input (encoder) to Full NDI with 3G-SDI loop through for view on monitor, or 3G-SDI video output (decoder) from full NDI.

Featured with powerful functions such as PoE, built-in big tally light, PTZ control, 3.5mm audio line in/out, multi-channel audio, intercom functions, Kiloview N3 is your best choice to get access to the fabulous NDI world for professional broadcast-grade IP production.

Faster Better Easier

The NDI protocol is a high-performance standard that enables anyone to use real-time, ultra-low-latency video on existing IP video networks.

Easily designate Kiloview NDI encoders as the video input source in popular desktop video applications like Google Hangouts, GoToMeeting, Skype, Skype for Business, WebEx, Zoom, Teams and more using the free NDI® webcam input tool.

Perfect for your video production

The N3 supports up to 3G-SDI HD video input to Full NDI and loop through for monitoring, at the same time it supports Full NDI to 3G-SDI output. It's a versatile NDI converter.

It's an NDI encoder, it's also an NDI decoder

Both NDI encoding and decoding can work on this tiny device (100*80*28mm), you got two in one. Switching the working mode on the UI to choose the mode you need; it can easily meet all your different workflows.

*N3's encoding and decoding functions are mutually exclusive, and cannot be used at the same time

Audio Intercom

Kiloview N3 supports 3.5mm analog audio line in/out or embedded audio, up to 16CH audio supported. It also supports voice intercom by USB headset between devices directly, or with Kiloview Intercom server. >Learn more

Video source auto-detecting

Thanks to the NDI discovery server, your video can be easily found and connected by users from another network when registered to the designated server.

Seamless Switching without Lagging

When decoding NDI sources, with Kiloview unique technology, there will be no lag when switching the output NDI videos.

Control with a USB keypad

In decoder mode, you can preset the NDI sources from number 0-9. Connect the decoder with a USB keypad, you can easily choose the output source with a single press.

Or you can even use the USB Keypad to control a PTZ camera-the cheapest PTZ Keyboard you can get.

PTZ control and Big-sized tally

Kiloview N3 supports PTZ control through USB to serial RS232/485/422. It also supports PTZ control over IP, no extra cable required

N3 has a big-sized while bright and distinct Tally for PWM/PGM indication – all is to make perfect cooperation for your team.

Power it as you wish

With PoE, the N3 can be powered with a single cable connection. With two channels PoE DC Input range from 5V to 18V, you can also be easily powered by USB power (not included).

Various mounting methods

It has an exquisite design, small and light-weight, which can be easily attached to the camera by a threaded screw.

The groove design on both sides facilitates the rackmount installation in 1U/3U

Diagram of Appearance of N3

USB

Tally

Signal Indicator

(PoE)

SDI Out

SDI Input

5-18V power supply

3.5mm audio

Tally

Compatible with TriCaster, vMix, OBS and other platforms, so your video production can be carried out anytime, anywhere.

OBS Studio

XSplit

vMix

Adobe

VIDBlaster

Wirecast

mimoLive

streamstar

NewTek NDI

Full NDI Bandwidth Requirement

Resolution	4KP60	4KP30	1080P60	720P60
Default Bitrate	250Mbps	200Mbps	125Mbps	90Mbps

Parameters

Model	N3
Video input	1*3G-SDI
Video output	1*3G-SDI(Loop or decoding output)
Audio port	1*3.5mm
Network	1*RJ45 1000Mbps Ethernet port (with PoE)
Video resolution	Up to 1080p60 (backward compatible with SD/HD/VEGA)
NDI® codec capacity	1*NDI® encoding or 1*NDI® decoding
NDI® codec feature	FULL NDI HD encoding, typical bitrate: 125Mbps@1080p60
LED indicator	Tally light, power light and status connection light
Power	PoE, DC, D-Tap (camera) optional, 5-18V wide range supported
Voice intercom	Customization
PTZ Control	Network PTZ and Serial Port
DHCP	Support
Management	WEB page
Power consumption	6w
Working Temperature	-20~45°C (Storage temperature: -20~70°C)
Dimension	100*80*24mm (3.94*3.15*0.94)/0.2 kg
Downloads	Docs & Firmware

Related Products

U40 4K NDI Encoder

4KP60 HDMI to Full NDI Encoder

Go

N40 NDI Converter

4KP60 HDMI to Full NDI Codec

Go

N30 NDI Converter

12G-SDI to FULL NDI Codec

Go

N3 NDI Converter

3G-SDI to FULL NDI Codec

Go

N4 NDI Converter

1080p60 HDMI to NDI Codec

Go

N1/N2 Wireless Encoder

SDI/HDMI Input, SRT Supported

Go

E1/E2 NDI/HX Encoder

SDI/HDMI Input/Loop, SRT Supported

Go

N6 NDI Converter

1080p60 HDMI to NDI Codec

Go

Quick Comparison of our NDI Products

Product Type	Product No.	Input Interface	Data Transfer	Resolution	Remark(s)
FULL NDI Codec	N30	12G-SDI	Ethernet	4KP60	12G-SDI Input & Loop Supported
	N40	4K HDMI	Ethernet	4KP60	
	N3	3G-SDI	Ethernet	1080P60	
	N4	HDMI	Ethernet	1080P60	
	N6	HDMI	Ethernet	1080P60	
NDI/HX Wireless Encoder	N1	3G-SDI	WiFi/Ethernet	1080P60	
	N2	HDMI	WiFi/Ethernet	1080P60	
NDI/HX Wired Encoder	E1	3G-SDI	Ethernet	1080P60	
	E2	HDMI	Ethernet	1080P60	
NDI/HX Decoder	D300	SDI+HDMI	Ethernet	4KP60	9 Channels of Video Simultaneous Decoding and Split-screen display Supported

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NDI Series

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