



HD HDMI/NDI Bi-Directional Converter

Kiloview N4 HD Video Encoder/Decoder

[Click Here](#)

The Most Cost-effective NDI Converter

Kiloview N4 HDMI to NDI codec supports bi-directional conversion between 1080p60 HDMI and Full NDI. It can both encode 1080p60 HDMI signals into Full NDI stream for output and decode Full NDI stream and output 1080p60 HDMI on your screen. Kiloview N4 can help you gain a leading edge in the IP-based high-definition video industry.

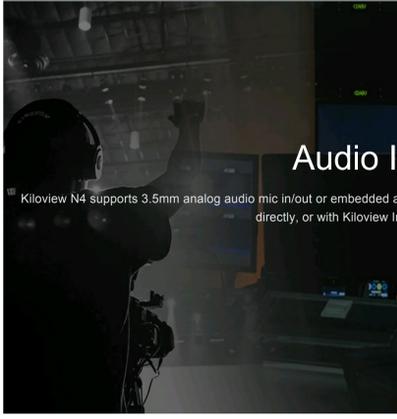
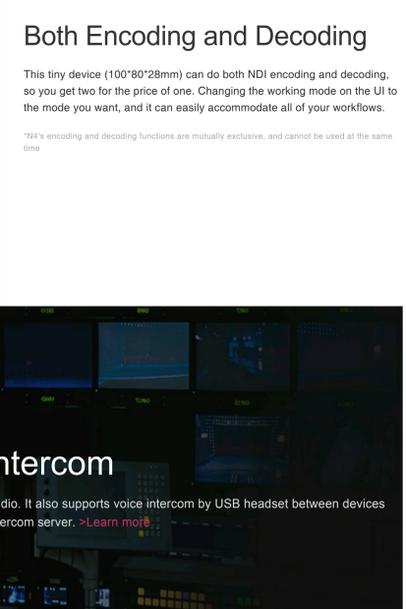


The NDI protocol is a high-performance standard that enables anyone to use real-time, ultra-low-latency video on existing IP video networks.

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.

High Quality NDI Conversion

The N4 supports HDMI input up to 1080p60 and converts it to full NDI and loop through for monitoring, at the same time it supports full NDI to HDMI output. It's the most cost-effective NDI converter with high quality.



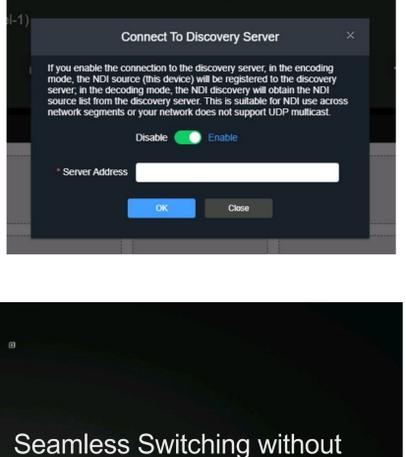
Both Encoding and Decoding

This tiny device (100*80*28mm) can do both NDI encoding and decoding, so you get two for the price of one. Changing the working mode on the UI to the mode you want, and it can easily accommodate all of your workflows.

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

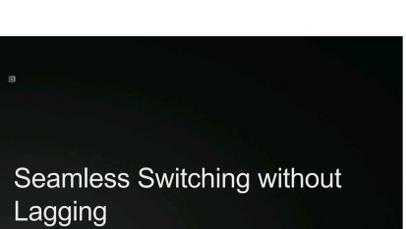
Audio Intercom

Kiloview N4 supports 3.5mm analog audio mic in/out or embedded audio. 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

With Kiloview's 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. When your keypad is ready, 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 N4 supports PTZ control through USB to serial RS232/485/422. It also supports PTZ control over IP, no extra cable required

N4 has a big-sized while bright and distinct Tally for PVW/PGM indication – all is to make perfect cooperation for your team.



Power and Data

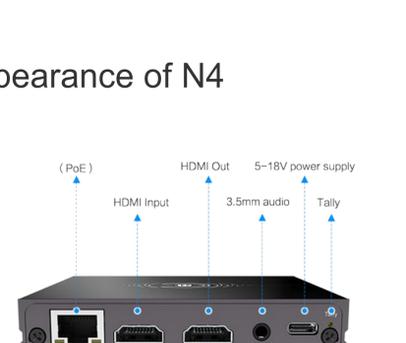
With PoE, the N4 can be powered with a single cable connection. With the PoE, it has a wide DC input range from 8V to 18V. Also, it can be powered by USB power bank.



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 N4



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



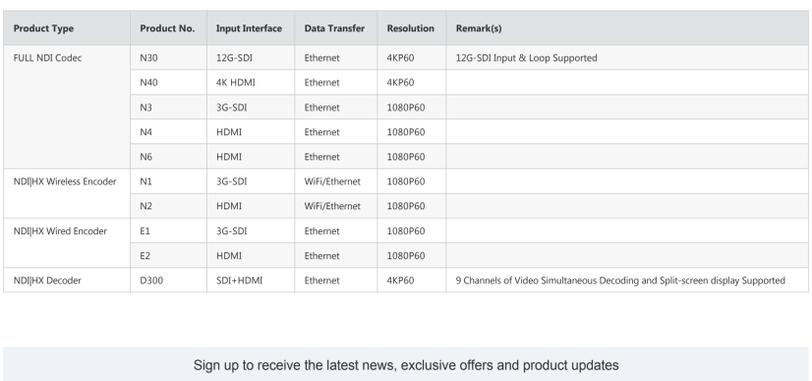
Full NDI Bandwidth Requirement

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

Parameters

Model	N4
Video input	1*HDMI
Video output	1*HDMI (Loop or decoding output)
Audio output	1*3.5mm
Network	1*RJ45 1000Mbps Ethernet port (with PoE)
Video resolution	Up to 1080p60 (backward compatible with SD/HD/VEVA)
NDI® codec capacity	1*NDI® encoding or 1x 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
Operating temperature	-20~45°C (Storage temperature: -20~70°C)
Dimension	100*80*24 mm (3.94"*3.15"*0.94")
Downloads	Docs & Firmware

Related Products



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	
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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