

12G-SDI/NDI Bi-Directional Converter

Kiloview N30 4K Video Encoder/Decoder



A Real Professional Broadcast-Grade NDI Converter

Kiloview N30 12G-SDI/Full NDI converter is a bi-directional converter that supports 12G-SDI video input (encoder) to Full NDI with 12G-SDI loop through for view on monitor, or 12G-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, the N30 is your best choice to get access to the fabulous NDI world for professional broadcast-grade IP production.



Why NDI?

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

NDI Webcam Input

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.



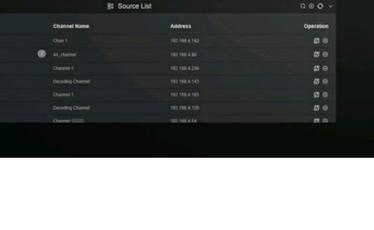
Real Professional Broadcast-Grade NDI Converter

The N30 supports 12G-SDI 4K video input to Full NDI and loop through for monitoring, at the same time it supports full NDI to 12G-SDI output. It's a real broadcast-grade NDI converter.

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

Both NDI encoding and decoding can work on this device, 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.

*N30's encoding and decoding functions are mutually exclusive, and cannot be used at the same time



Seamless Switching without Lagging

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

Control with a USB keypad

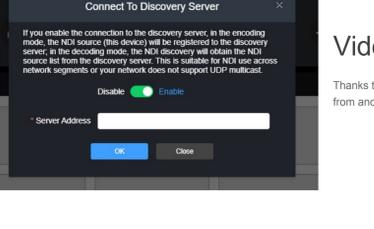
In decoder mode, you can preset the NDI sources from number 0-9. Connect the decoder with a USB keypad, you can easily choose the output source by a single press.

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



Audio and Intercom

Kiloview N30 supports 3.5mm analog audio line in/out or embedded audio. Up to 16CH audio can be supported. It also supports voice intercom by USB headset between devices directly, or with Kiloview Intercom server.



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.

PTZ Control and Big-sized Tally

Kiloview N30 supports PTZ control through USB to serial RS232/485/422. It also supports PTZ control over IP, no extra cable required.

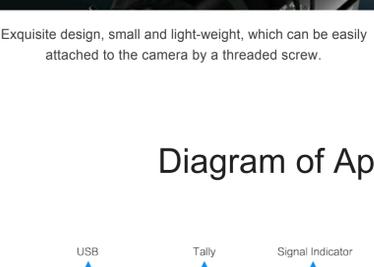
N30 has a big-sized while bright and distinct Tally for PVW/PGM indication – all is to make perfect cooperation for your team.



With PoE, the N30 can be powered with a single cable connection. With a 5-pin RJ45 PoE input range from 5V to 18V, it can also be powered by USB power.



Various mounting methods

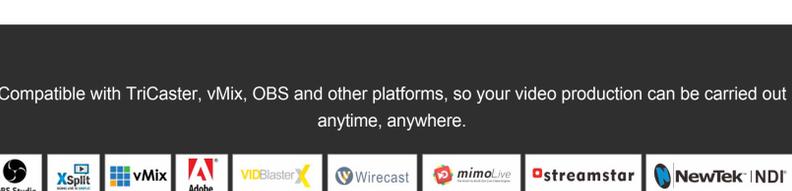


Exquisite design, small and light-weight, which can be easily attached to the camera by a threaded screw.

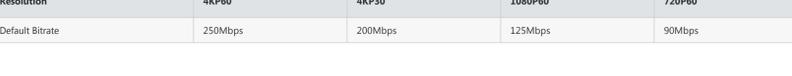


The groove design on both sides facilitates the rackmount installation in 1U/3U

Diagram of Appearance of N30



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



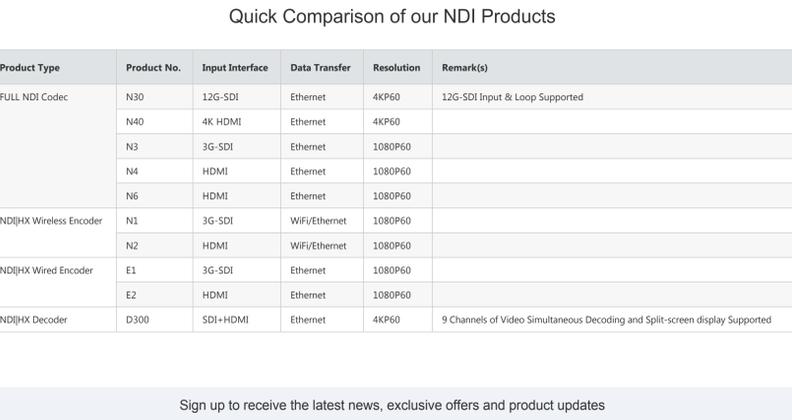
Full NDI Bandwidth Requirement

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

Parameters

Model	N30
Video input	1*12G-SDI
Video output	1*12G-SDI (Loop or decoding output)
Audio port	1*3.5mm
Network	1*RJ45 1000Mbps Ethernet port (with PoE)
Video resolution	Up to 4Kp60 (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: 250Mbps@4K60, 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	-20~40°C (Storage temperature: -20~70°C)
Dimension	110*95*23 mm (4.33**3.74**0.91")
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	
	N2	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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