

N6 NDI Converter

NDI+NDI|HX, Encoding and Decoding, All in one



Descriptions

The first full function NDI converter on the planet

Kiloview N6 HDMI/NDI converter is a bi-directional converter that supports up to **1080p60** HDMI input (encoder) to both NDI for production and NDI|HX for monitoring at the same time, with loop through for view on monitor as well; or HDMI video output (decoder) from NDI and NDI|HX. This is the first NDI converter based on NDI SDK 5.0 which can handle both NDI and NDI|HX, encoding and decoding.

Featured with powerful functions such as PoE, built-in big tally light, PTZ control, 3.5mm audio line in/out, intercom functions, N6 is the easiest way to get access to the fabulous NDI world with versatile choices.

The first NDI Converter based on the latest NDI 5

- IP-based post production
- Video output to screen
- Low latency transmission
- Video conferences

Advantages

NDI and NDI|HX, Encoding + Decoding, All-in-One

- Plug-and-play operation, simple Web UI management
- HDMI input and encode both NDI for production and NDI|HX for monitoring, and loop through
- NDI or NDI|HX decoding with HDMI output
- Preset 9 sources output and a USB keyboard for switching optional or control a PTZ camera

Note: N6 can be used as either an encoder or a decoder but not simultaneously currently. Please note our update when simultaneous working is available.

Audio and intercom

- Support 3.5mm analog audio line in/out or embedded audio as well as Mic in
- Support voice intercom between all Kiloview devices and the control PC/phone, or with Kiloview Intercom server

PTZ control

- Support PTZ control through USB to serial RS232/485/422
- And PTZ control over IP with different protocols, no extra cable required

Other features

- Wide DC input range from 5V to 18V, then easily powered by USB power or camera battery
- More power ways via PoE, D-Tap (camera)
- Built-in big Tally for PVW/PGM
- Super cooling system to make sure continuous working

Compatible software



NewTek NDI-enabled
software and system

Parameters

Model	N6
Video input	1*HDMI
Video output	1*HDMI (Loop or decoding output)
Audio port	1*3.5mm Line In, 1*3.5mm Line Out, 1*3.5mm Mic
Network	1*RJ45 1000Mbps Ethernet port (with PoE)
Video resolution	1920x1080p23/24/25/50/59/59.94/60; 1280x720p30/50/59/60,1280x1024p60,1152x900p60,1152x864p60, 1024x768p60, 800x600p60
NDI® codec capacity	1* FULL NDI® and 1x NDI® HX
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	Support
PTZ control	Network PTZ and Serial Port
DHCP	Support
Management	WEB page
Dimension	100*80*24 mm (3.94*3.15*0.94)

Note:

1. With the current NDI SDK 5 performance, according to our test, N6 Full NDI encoding can just support up to 1080P25 currently. But we've been optimizing this problem and pretty soon, it will be able to do 1080P60, for both Full NDI and NDI|HX encoding decoding.
2. N6 cannot support interlaced formats in this version. We will update if there any new information.

NDI® is a registered trademark of NewTek Inc.