KILOVIEW®

ENCODER

CONVERTER

DECODER

KILOVIEW SUNSHINE

D300
Media Gateway
(Protocols conversion)

NDI®
NDI HX
TRUE NDI®

IMS
System Management

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N SERIES

NDI Video Encoders

Professional production front-end device
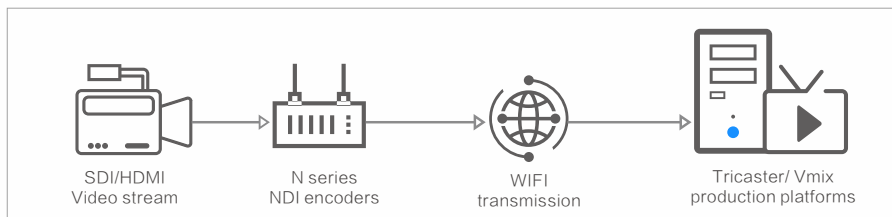
NDI HX	WIFI	Built-in Battery	Hot Shoe	SDK
NDI Protocol	WIFI	Built-in Battery	Hot Shoe	SDK Provided

NDI Video Encoders

Applications

NDI has become a more convenient and reliable video transmission technology which is widely applied in the video production process. Kiloview NDI video encoder can directly convert the SDI or HDMI signals to NDI, and realize ultra−low−latency transmission through WIFI (or Ethernet) to various other NDI devices or software in the network for interconnecting, to reduce cables cost and deployment time, greatly satisfying the needs of studio and on−site multi− camera video production.

SDI/HDMI Video stream	N series NDI encoders	WIFI transmission	Tricaster/ Vmix production platforms

Advantages

Portable design, small compact and stable NDI Wireless transmission.

📶	Built−in 5.0GHz WIFI realizes stable NDI Wireless transmission, or USB−extend Ethernet transmission.
🔋	Built−in large−capacity lithium battery, supports 5−16v external mobile power supply, no need to consider wired power supply.
⊛	Internal cooling fan makes it adapts to high temperature conditions, stable and reliable operation.
🖥	115*75*35mm, 380g only, hot shoe mountable makes it easy to install on the camera for portable application.

Authorized by NewTek, compatible with other NDI® hardware and software products.

◉ Available as sources for other NDI compatible systems and software, no cables everywhere anymore.

◉ Ultra low−latency, mutual identification and communication of multiple data streams.

◉ Smart connection, discovered and connected by other NDI devices automatically.

Powerful encoding function, dual stream output, customized graphic overlay, voice intercom, local recording.

◉ Wide adjustable code rate (64kbit/s to 40Mbit/s).

◉ Dual stream output, the main code rate up to 1080p60Hz, and the sub−stream supports 720p 60Hz video encoding.

◉ Capable with customized text and image overlay function, which can be at any position on the screen.

◉ Voice intercom function (need to deploy voice intercom software).

◉ With SD/TF card slot, it supports local recording, and supports NAS network storage.

Graphic and text overlay

Parameters

Model No.	N1，N2
Input	SDI（N1）；HDMI（N2）
Network Support	Enhanced WIFI (Enhance 5.0GHz frequency+PA), USB−extend Ethernet
Media transmission protocols	NDI−HX/RTMP/TS over UDP/HLS/SIP
Video resolution	Up to 1080P60Hz； 1080p23.98/24/25/29.97/30; 1080p50/59.94/60; 1080i50/59.94/60; 720p23.98/24/25/29.97/30; 720p50/59.94/60
Video encoding	H.264/ AVC High/ Main/ Baseline profile (up to Level 5.3)；Motion−JPEG；NDI HX
Audio encoding	AAC/G.711
Latency	End−to−end by cable is about 150 ms
Image and text overlay	Custom text, image overlay function, can be superimposed to any position on the screen
Voice intercom	Supported (require a voice intercom software)
Recording	SD/TF card slot, local recording, NAS network storage
Management	APP/ Web
Hot shoe	Removable
Battery capacity	3.7V 6800mAh（29.6Wh）
Power supply/Consumption	DC 12V 1A ／ 6.5W
Size/ Weight	115*75*35mm ／ 380g
Operating temperature	−20℃~45℃