Parameters

Model	N3-s
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/VESA)
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
Dimension	100*80*24mm (3.94*3.15*0.94")/0.2 kg
Power consumption	6w
Operating temperature	-20~45℃ (Storage temperature: -20~70℃)

Descriptions

NDI® (Network Device Interface) is an IP-based video transmission technology developed by NewTek (Vizrt). N3 HD FULL NDI® encoder/decoder, end-to-end latency is ultra-low (less than100ms), support for SDI video and NDI® bi-directional conversion. One unit, dual use.

It is a compact and small unit, either to a pocket or mounted on the camera equipped with standard 1/4" screw. N3 not only converts SDI video to NDI ® (Encoding) but also converts NDI to SDI (Decoding). It featured with big size Tally light, powered via PoE, DC or D-Tap (camera). What's more, it has a 3.5 mm audio headset interface, and support audio intercom (customization).

Applications

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

Compatible software

OBS Studio, XSplit, vMix, Adobe, VIDBlasterX, Wirecast, mimoLive, streamstar, NewTek NDI

Advantages

NDI encoding + decoding, one unit, dual use

·Plug-and-play operation, SDI to NDI®, or NDI® to the screen;
· Equipped with SDI input and output interfaces, which can be looped out on the monitor during streaming, or output SDI signal during decoding;
· Preset 10 outputs, including 9 decoding addresses and 1 blank preset box (customizable background color), and USB extended keyboard for switching.

High quality and low latency transmission

· Encoding and decoding both support 1080p60 (HD) resolution, backward compatible with SD/HD/VESA resolution and other special resolutions;
· Ultra-low latency, end-to-end latency is less than 100ms;
· FULL NDI high-quality encoding ensures excellent image quality, and lossless audio encoding ensures high-fidelity sound quality;
· Accurate clock and intelligent algorithm ensured video frame, image and audio synchronization.

More advanced functions at your palm

· Built-in large-size Tally light to indicate PGM (program output) or PVW (pre-monitor output) status;
· Support for PoE (Power over Ethernet) and 5-18V DC input powered by USB, mobile power or camera battery;
· Equipped with 3.5mm headset interface, support voice intercom (customization).
· PTZ control with protocols of Visca/Visca over IP/Pelco (special PTZ control protocols can be customized);
· Integrated with IMS software to realize functions such as remote management and control, NDI stream management and distribution, centralized call management, and large-scale program production management;
· SDK/API provided for secondary development.