

N40 4K HDMI FULL NDI® Codec

4K HDMI and NDI® bi-directional converter



NDI® (Network Device Interface) is an IP-based video transmission technology developed by NewTek (Vizrt). With the help of NDI-based ecological system, N40 4K HDMI NDI® encoder/decoder will benefit greatly from the versatility of an NDI-based IP workflow. 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. N40 not only converts 4Kp60 HDMI video to NDI® (Encoding) but also converts NDI to 4Kp60 HDMI (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

Advantages

NDI encoding + decoding, one unit, dual use

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

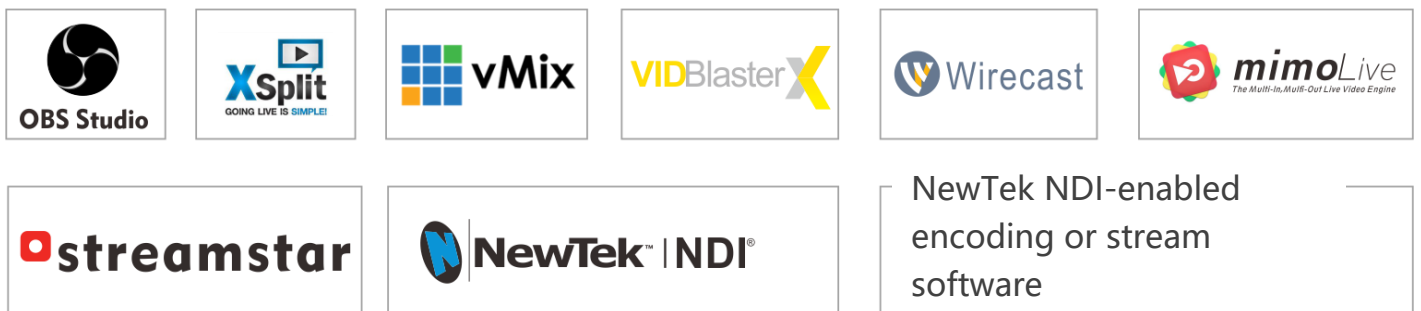
High quality and low latency transmission

- Support up to 4Kp60 HDMI input (4:4:4/4:2:2), 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).

Compatible software



Parameters

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|-----------------------|--|
| Model | N40 |
| Video input | 1*HDMI |
| Video output | 1*HDMI (Loop or decoding output) |
| Audio port | 1*3.5mm |
| Network | 1*RJ45 1000Mbps Ethernet port (with PoE) |
| Video resolution | Up to UHD 4K60 (backward compatible with SD/HD/VESA) |
| NDI® codec capacity | 1x 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 | Customization |
| DHCP | Support |
| Management | WEB page/IMS remote management |
| Dimension | 100x80x24 mm |
| Power consumption | 6w |
| Operating temperature | -20~45°C (Storage temperature: -20~70°C) |