




## RGBlink 1mini-HN USB-HDMI Streaming Node Owner's Manual

[Home](#) » [RGBlink](#) » RGBlink 1mini-HN USB-HDMI Streaming Node Owner's Manual 

*RGBlink 1mini-HN USB-HDMI Streaming Node Owner's Manual*



2K streaming node

NDI

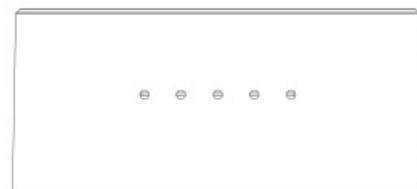
SRT

RTMP



RGBlink®

# Device interface



---

## Interface

Input	HDMI 1.3	1×HDMI-A
	UVC	1×USB-C
Output	HDMI 1.3	1×HDMI-A
Audio	Input	1×3.5mm audio socket
Communication	LAN(PoE)	1×RJ45
	USB 3.0	1×USB-A
Power	Type-C	1×PD Type-C
	LAN(PoE)	1×RJ45

---

## Power

Mode	PoE, PD
Input voltage	5~12V
Maximum power	10W

---

## Working Environment

Temperature	0°C~55°C
Humidity	5%~85%

---

## Physical

Product Weight	180g
Package Weight	780g
Product Dimension	91mm(diameter)×40.8mm(height)
Package Dimension	215mm x 145mm x 80mm

---

## Performance

### HDMI 1.3 input

Input resolution	720p@50/60, 1080i@50/60, 1080p@30/50/60, 1280×720@50/60, 1280×768@60, 1280×1024@60, 1360×768@60, 1366×768@60 , 1600×900@60, 1920×1080@50/60
Format	RGB/YUV 4:2:0/4:2:2
Bit depth	8 bit/10 bit
Pixel format	BT.601   BT.709
Image delay	3 frames

### UVC/Type C input

Input resolution	1024×768@60, 1280×720@50/60, 1280×768@60, 1280×1024@60, 1360×768@60, 1920×1080@24/25/30/50/60
Decoding performance	MJPEG/YUV   H.264   H.265

### Audio Input

Audio delay setting	0~160ms
Analog audio input	MIC/LINE
Maximum input level	+6dBV

### LAN

Coding performance	Support MJPEG\YUV,H.264,H.265
Speed mode	CBR,VBR,FIXQP,AVBR,QPMAP
NDI coding	FULL NDI, 2K@60
NDI decoding	FULL NDI, 2K@60
RTMP/SRT coding	Support streaming software
Maximum output speed	125Mbps

### HDMI 1.3 output

Output resolution	720×480@30, 1280×720@30, 1920×1080@30/60
Audio	Embedded audio output

---

## Order Codes

410-5513-05-3	TAO 1mini-HN
---------------	--------------

### In the Box

TAO 1mini-HN  
Welcome Card  
USB-C Cable  
International Socket Adapters

WEB: [www.rgblink.com](http://www.rgblink.com)  
EMAIL: [sales@rgblink.com](mailto:sales@rgblink.com)  
PHONE: +86 592 5771197

Proudly designed and manufactured in Xiamen Hi Technology Zone, China





[www.rgblink.com](http://www.rgblink.com)



NDI is the abbreviation of Network Device Interface, which is a broadcast-quality, low-latency open IP network interface protocol launched by NewTek. As the world's leading network audio and video codec technology, NDI is favored by more and more professional audio and video technicians.

TAO 1mini-HN supports HDMI&UVC and FULL NDI gigabit Ethernet video stream codecs for encoding and decoding. Round appearance, simple and elegant, easy to carry, with standard camera screw holes, can be easily installed to the camera bracket. The device has a 2.1-inch TFT touch screen for real-time monitoring of signals and menu operations. Support tally lights, support U disk recording, support PoE and other functions.



Compact in form



NDI<sup>®</sup> NDI<sup>®</sup> codec support



Dual 1/4in mounts



power via PoE



power from USB-C PD



Stream to at least 4 platforms via TAO APP



low latency



live previews & recording



RTMP\RTMPS protocols



LED TALLY indicators



Up to 2K FHD

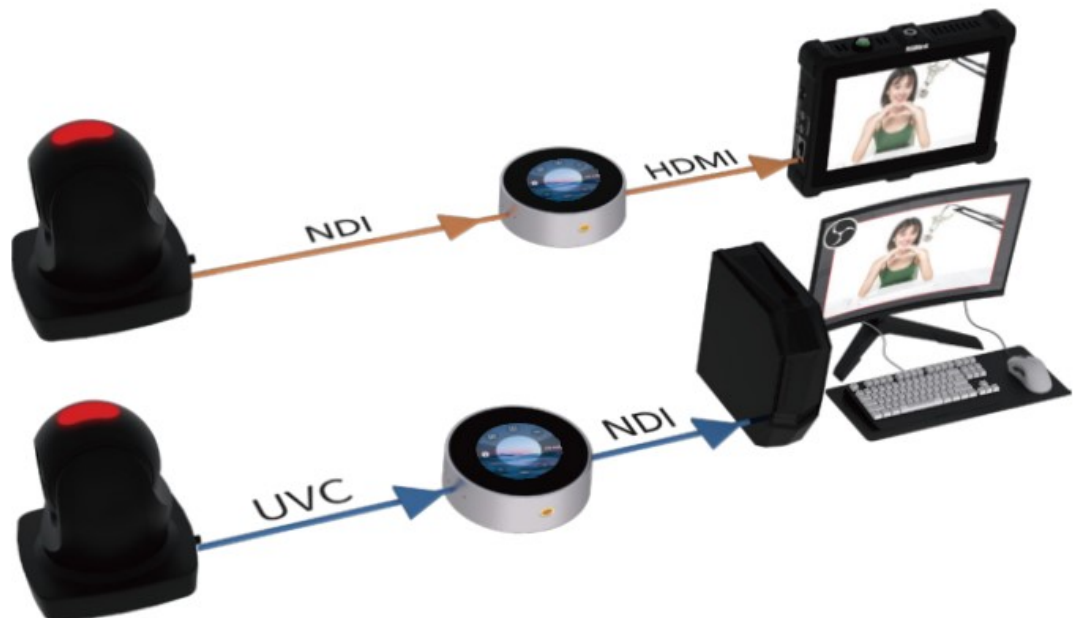
## Why choose NDI?

NDI® is a broadcast-quality, low-latency video streaming protocol over Gigabit networks. With low loss, low latency, more stable



## NDI® & NDI|HX Codec integration

TAO 1mini-HN not only supports 2K Full NDI but also NDI|HX, it is an all-in-one codec machine





## Professional IP production equipment

Both encoding and decoding support up to 2K (FHD) video resolution, and are backward compatible with resolutions such as HD/SD. Adopt MJPEG\YUV, H.264 to ensure high quality video transmission



## Multi-platform live streaming

TAO 1mini-HN can not only convert 2K HDMI\UVC signals into NDI\RTMP\SRT, but also a network push streaming device that can realize simultaneous live broadcast of 4 platforms.





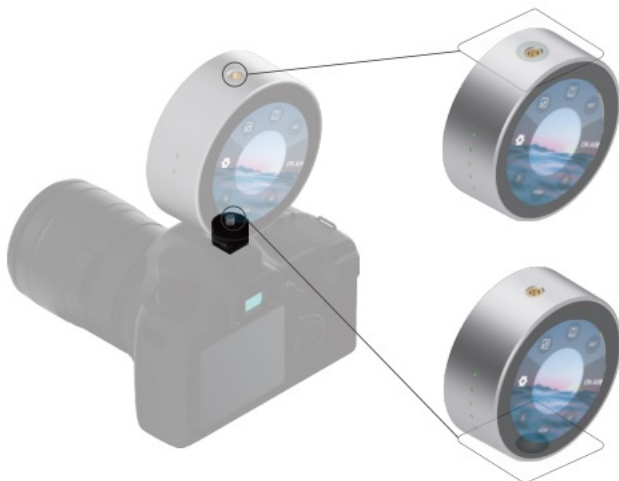
## Power via PoE Ethernet

At the same time, it supports Power over Ethernet (PoE), PD input, and can use a mobile power supply to power the device. Only one network cable can realize power supply and network transmission.



## Easy to install

TAO 1mini-HN has double-rack screw holes, allowing you to enjoy a variety of installation experiences according to different scenarios.



## Portable and stable

Exquisite and portable, it has a built-in ultra-thin large-diameter cooling fan to help cool the device.



## One-click recording

The USB 3.0 interface supports up to 64G U disk or 2T SSD solid state drive, and realizes high-quality audio and video recording function with one key.



## Monitor and touch


The 2.1-inch full-color touch monitoring screen can not only monitor the signal in real time, but also control it quickly.



Contents

- 1 Documents / Resources
- 1.1 References

Documents / Resources

	<a href="#">RGBlink 1mini-HN USB-HDMI Streaming Node</a> [pdf] Owner's Manual 1mini-HN USB-HDMI Streaming Node, 1mini-HN, USB-HDMI Streaming Node, Streaming Node, Node
---	--

References

-  [RGBlink](#)