



# RGBlink 410-5513-05-0 TAO 1mini-HN USB-HDMI Streaming Node User Manual

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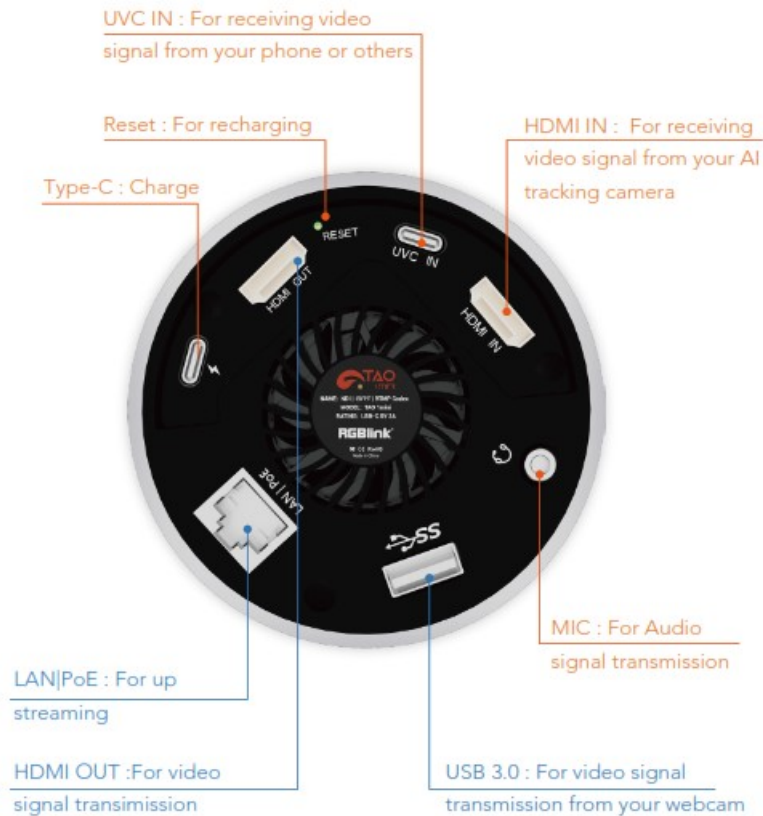


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## PRELIMINARY

### Device interface



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 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
<b>NDI</b> <sup>®</sup>	NDI codec support
	Built in WiFi hotspot
	low latency
	live previews & recording
	power from USB-C PD
	one-click recording
	power via PoE Ethernet
	Convenient dual standard 1/4in mounts
	TALLY indicators built in
<b>UHD</b>	Up to 4K UHD without compromise

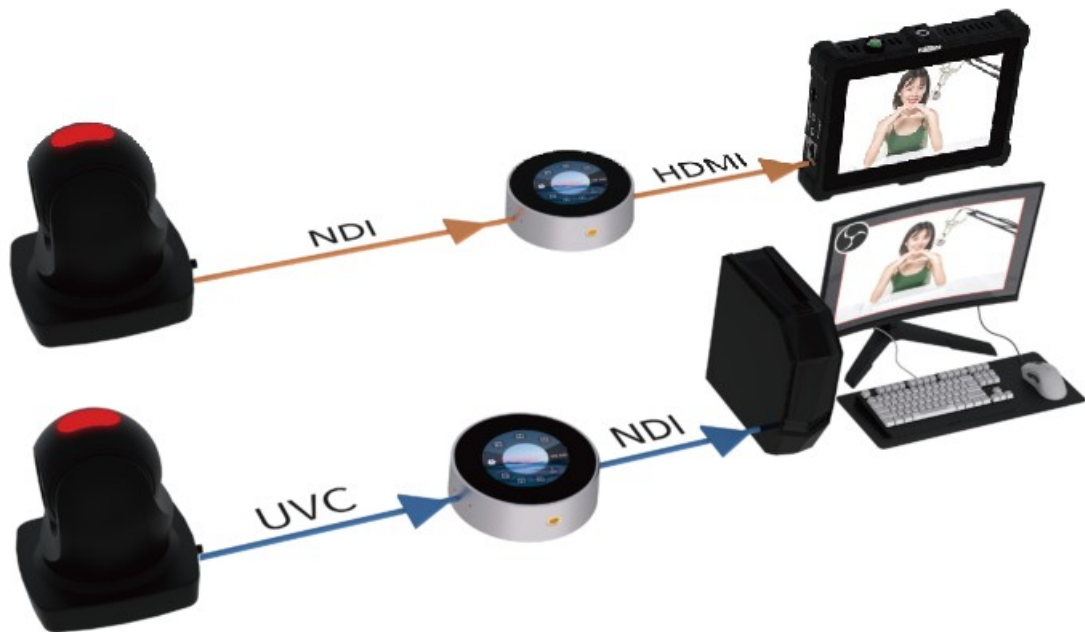
## Why choose NDI?

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



## NDI& Codec integration

TAO 1mini not only supports 4K Full NDI but also NDI|HX, it is an all-in-one codec machine



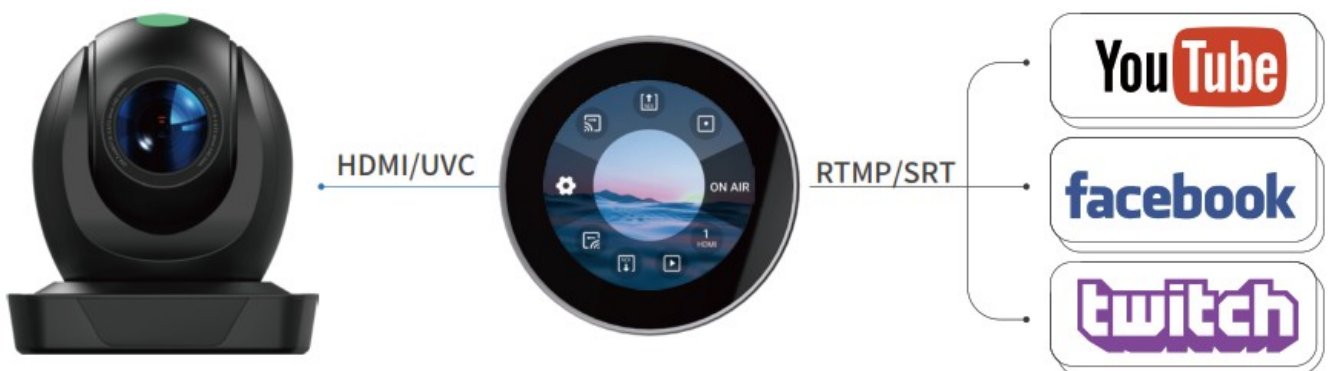
### Professional IP production equipment

Both encoding and decoding support up to 4K (UHD) 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 can not only convert 4K HDMI\UVC signals into NDI\RTMP\SRT, but also a network push streaming device that can realize simultaneous live broadcast of 3 platforms.



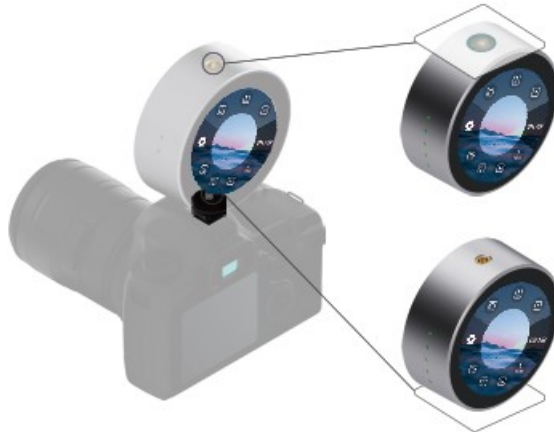
### Power via PoE Ethernet

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



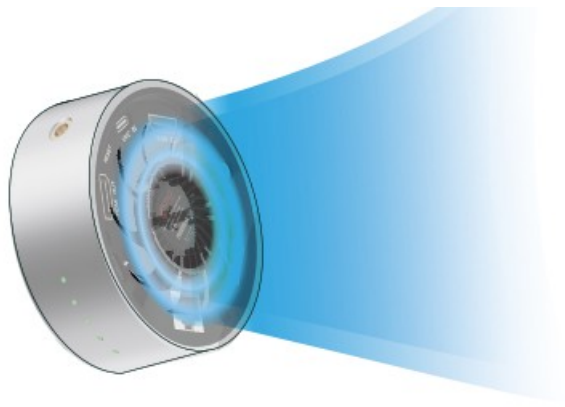
### **One-click recording**

The USB3.0 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.



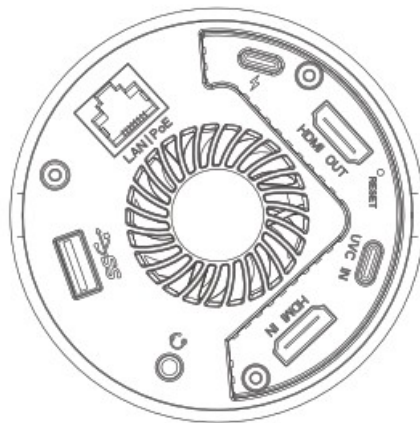
### **Portable and stable**

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



### 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.



### Interface

Input	HDMI 2.0	1x HDMI-A
	UVC	1xUSB-C
Output	HDMI 2.0	1xHDMI-A
Audio	Input	1 x3.5mm audio socket
Communication	LAN(PoE)	1x RJ45
	USB 3.0	1 xUSB-A
Power	Type-C	1xPD Type-C
	LAN(PoE)	1x RJ45

### Power

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

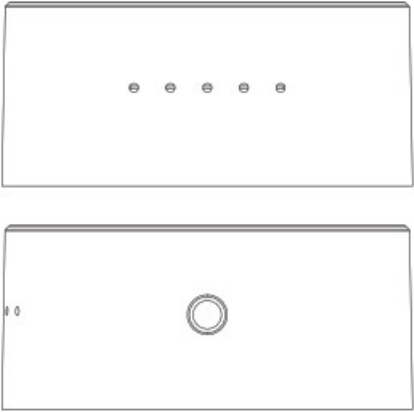
**Working Environment**

Temperature	0 °C~55 °C
Humidity	5%~85%

**Physical**

Product Weight	TBC
Package Weight	TBC
Product Dimension	91mm(diameter)×40.8mm(height)
Package Dimension	TBC

- In the Box**  
 TAO 1mini  
 Welcome Card  
 USB-C Cable  
 International Socket Adapters



**Performance**

**HDMI 2.0 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 4K@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
Speed mode	CBR,VBR,FIXQP,AVBR,QPMAP
NDI coding	FULL NDI, 4K@60
NDI decoding	FULL NDI, 4K@60
RTMP/SRT coding	Support streaming software
Maximum output speed	125Mbps
HDMI 2.0 output	
Output resolution	720×480@30, 1280×720@30, 1920×1080@30/60, 4K@60
Audio	Embedded audio output
410-5513-05-0	
Order Codes	TAO 1mini





<http://www.rgblink.cn>  
[www.rgblink.com](http://www.rgblink.com)

## Documents / Resources

	<p><a href="#">RGBlink 410-5513-05-0 TAO 1mini-HN USB-HDMI Streaming Node</a> [pdf] User Manual 410-5513-05-0 TAO 1mini-HN USB-HDMI Streaming Node, 410-5513-05-0, TAO 1mini-HN USB-HDMI Streaming Node, 1mini-HN USB-HDMI Streaming Node, USB-HDMI Streaming Node, Streaming Node, Node</p>
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## References

-  [RGBlink](#)

[Manuals+.](#)