

PRELIMINARY

Device interface



the streaming node

NDI

SRT

RTMP

Interface

Input	HDMI 2.0	1×HDMI-A
	UVC	1×USB-C
Output	HDMI 2.0	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	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 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

Order Codes

410-5513-05-0	TAO 1mini
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UVC IN : For receiving video
signal from your phone or others

Reset : For recharging

HDMI IN : For receiving
video signal from your AI
tracking camera

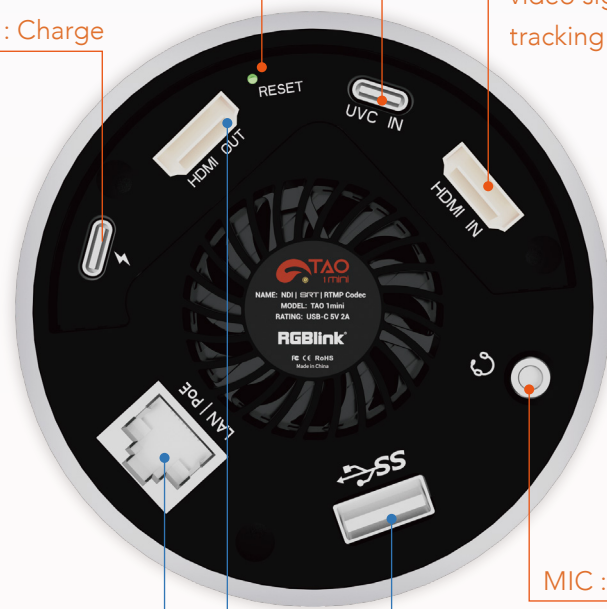
Type-C : Charge

MIC : For Audio
signal transmission

LAN|PoE : For up
streaming

HDMI OUT :For video
signal transimission

USB 3.0 : For video signal
transmission from your webcam





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 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® 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

UHD

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



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



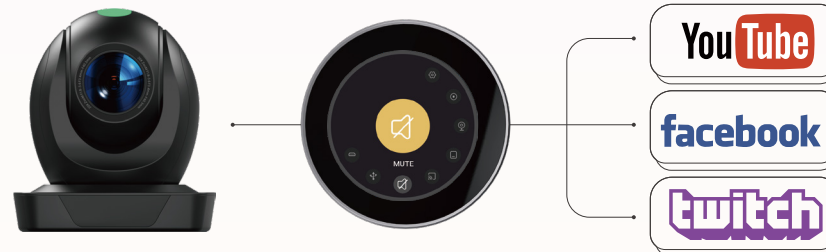
UVC audio and video decoding and streaming

TAO 1mini is also equipped with a UVC input interface, which can be directly connected to the UVC camera to convert the audio and video signals of the UVC camera into HDMI\NDI\SRT\RTMP and other video streams.



Multi-platform live streaming

TAO 1mini can not only convert 4K HDMI signals to NDI\SRT, but also to RTMP\RTMPS, etc., so that TAO 1mini can be used as a network streaming device for 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.

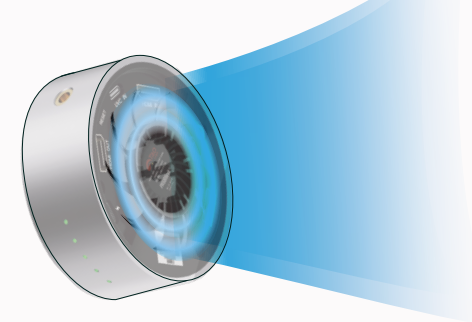


Easy to install

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

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 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.



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.

