



mini-mx SDI

10 Channel Streaming Video Mixer

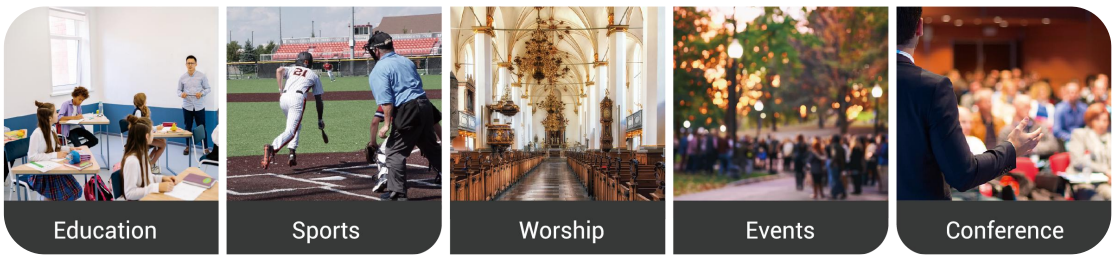
mini-mx SDI features four 4K HDMI 2.0 inputs and four 3G SDI inputs, one UVC and one NDI bi-directional input & output. It supports digital embedded audio and video signals from a PC, cameras, and more. Additionally, it has analog audio input options via 2 x Phantom, 1 x Line - in and 1 x MIC, and also supports Bluetooth audio.

There are two separate HDMI outputs for multi-viewer Preview, Program or Test Pattern. One USB 3.0 output supports YUY2 and MJPEG capture formats, which can be recognized as a webcam for streaming to Facebook, YouTube, ZOOM, etc.

The UVC can be used bidirectionally for USB disk recording, wireless speaker and wireless microphone. This function can be applied to devices such as RGBlink AI mini. The Ethernet port with NDI license enable is bi-direction too, which ensures that the NDI encoder and decoder can work at the same time.
mini-mx SDI is built in with 5.5-inch TFT touch panel for menu operation and multiviewer video display.

Compared with mini-mx, mini-mx SDI has 4 more 3G SDI inputs and a ready to license bidirectional NDI, also Noise Reduction, Equalizer, Echo, Reverberation, Voice Fusion for audio inputs. Else it features including dynamic output control, multiviewer, picture in picture, chroma Key, transitions, on board PTZ camera controls and much more.

mini-mx SDI is web APP ready, also integrated with TAO Cloud for remote control and can stream to at least 4 content platforms at the same time.



mini-mx VS mini-mx SDI

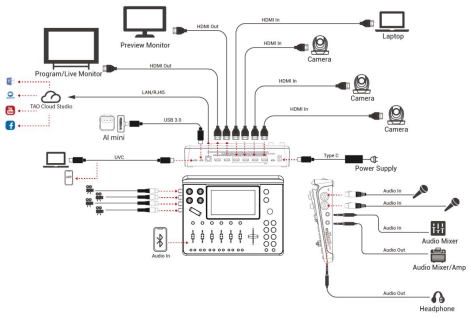
The core functions of mini-mx and mini-edge SDI remain largely consistent. However, mini-mx SDI outshines mini-mx in multiple aspects, offering a more comprehensive feature set and exceptional audio processing capabilities. The specific functional disparities are as follows:

1. Add four 3G SDI inputs, achieving perfect 4K audio signal transmission.
2. IN5 is user defined by UVC and NDI
3. Advanced audio function support: Noise Reduction, Equalizer, Echo, Fusion and Reverberation.
4. Output NDI and RTMP(s) at the same time
5. NDI PTZ access by one ethernet cable for both media content and remote control;
6. AI mini identification once AI mini is recognized by the device, both in the menu and TAO cloud;
7. USB3.0 port is VMix compatible and allows higher image quality

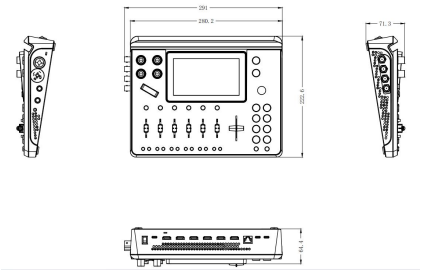
Key Features

- Embedded 5.5-inch TFT and touchscreen
- 10 input connectors (4 x HDMI 2.0, 4 x 3G-SDI, 2K UVC, and 2K NDI)
- 6-CH customizable video inputs
- Maximum 8 channels for audio mixing
- Dynamic text overlay/scoreboard
- Configurable VFA (video follow audio)
- 2-CH independent HD HDMI
- 2K streaming and live via IP and UVC
- Streaming supports NDI | HX2
- Streaming and management via RGBlink TAO Cloud
- Manual real-time control of PTZ cameras, such as zoom in/out, rotation, and focus, via VISCA or NDI
- Third-party control and integration via free RGBlink Central Control Protocol

Application



Dimension



Specification

Product Model			mini-mx SDI	mini-mx
Connectors	Input	HDMI 4K	4 × HDMI-A	4 × HDMI-A
		3G SDI	4 × 3G SDI	
		NDI	1 × NDI	
	Output	HDMI 2K	2 × HDMI-A	2 × HDMI-A
		USB (Record)	1 × USB-C	1 × USB-C
		USB (Stream)	1 × USB-C	1 × USB-C
	Audio	MIC IN 1	1 × 6.35mm XLR + TS Jack (48V Phantom Power)	
		MIC IN 2	1 × 6.35mm XLR + TS Jack	
		LINE IN	1 × 6.35mm TRS Jack	
		OUT	1 × 6.35mm TRS Jack 1 × 3.5mm mini-Jack	
	Communication	LAN	1 × RJ45	
	Power	Power Supply	1 × USB-C	
Performance	Input Resolution	HDMI	1280 × 720@50/59.94/60 | 1024 × 768@60 | 1280 × 768@60 | 1280 × 800@60 | 1280 × 1024@60 | 1360 × 768@60 | 1366 × 768@60 | 1440 × 900@60 | 1600 × 1200@60 | 1680 × 1050@60 | 1920 × 1200@60 | 1920 × 1080i@50/59.94/60 | 1920 × 1080p@23.98/24/25/29.97/30/50/59.94/60 | 3840 × 2160p@30/50/60 | 4096x2160@30/50/60	
	Output Resolution	HDMI/USB (Webcam)	1280 × 720@50/60 | 1920 × 1080@24/25/30/50/60	
	Video	Color Space	RGB 8bit	
		Video Sampling	4:4:4 YUV	
		Video Latency	<4 frames	
	Audio	Line In Delay	up to 8 frames	
		Audio Format	HDMI	Linear PCM, 24 bits/48 kHz, 2 ch
			USB	Linear PCM, 16 bits/48 kHz, 2 ch
	Record/Storage	Record Formats	MP4	
		Disk Formats	FAT32(≤32 GB) | exFAT(64GB~2T)	
	Supported Standards	HDMI	2.0	
		USB	3.0	
Power	Compatability	USB Power Delivery (PD) 3.0		
	Supported Cables	Certified USB PD Aware		
	Input Voltage	USB-C 12V/3.3A		
	Maximum Power	40W		
Environment	Temperature	0℃~45℃		
	Humidity	10%~85% RH		
Physical	Net Weight	1.48kg		
	Packaged Weight	2.80kg		
	Net Dimension	291mm × 222.6mm × 71.3mm		
	Packaged Dimension	332.0mm × 238.5mm × 109.0mm		

Order Codes

Order Codes	Item
230-0009-01-0	mini-mx SDI

Contact us

Tel：+86-592-5771197
Fax：+86-592-5788216
E-mail：sales@rgblink.com
Headquarter: Room 601A, No. 37-3 Banshang community, Building 3, Xinke Plaza, Torch Hi-Tech Industrial Development Zone, Xiamen, China
www.rgblink.com