

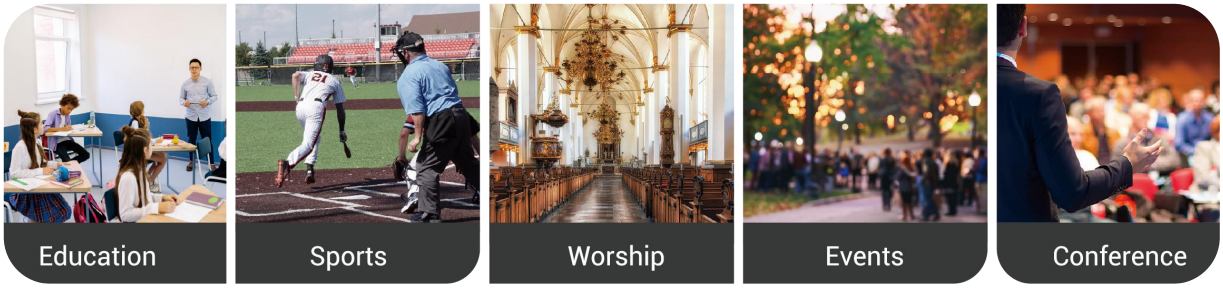
mini-max

Elevating Content Creation to 4K Excellence

The mini-max 4K All-in-One Video Switcher continues the legacy of the mini-series with powerful 4K performance. Building on the foundation of the mini-edge/mini-edge SDI, it retains all their functionalities while introducing a major upgrade: two broadcast-grade 12G-SDI inputs, in addition to its native 4K60 HDMI inputs. This compact device integrates 4K60 output, recording, and streaming into one powerful unit, delivering an exceptional ultra-high-definition visual experience. The responsive 5.5-inch touchscreen enables both menu navigation and multi-view monitoring, while physical buttons provide tactile control for flexible operation across various scenarios.

In terms of connectivity, the mini-max offers dual 4K HDMI 2.0 inputs and dual 12G-SDI inputs, along with support for 4K60 UVC and NDI® video sources. It also supports both digital embedded audio and analog input, covering a wide range of audio and video equipment needs. On the output side, dual HDMI ports support 1080P multi-view preview and 4K60 program. The USB 3.0 port enables 4K60 video capture and can function directly as a webcam for multi-platform streaming. Combined with support for TAO Cloud and the Web App, it enables advanced functions such as remote device management and synchronized live broadcasting.

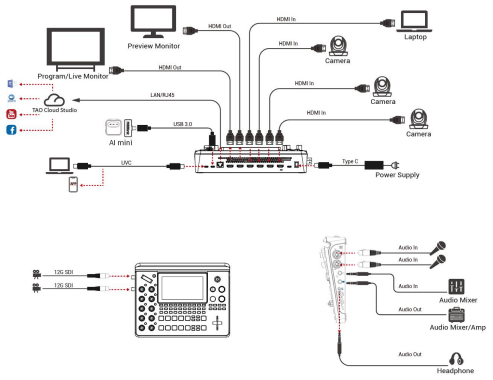
Despite its compact design, the mini-max enhances professional capabilities with support for dynamic output control, audio noise reduction, and PTZ camera control—making it a versatile solution for both live production and remote workflows.



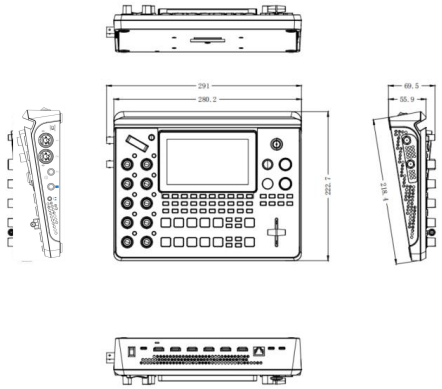
Key Features

- 5.5-inch touchscreen for icon menu control, preview, and working status display
- 6-CH customizable video inputs consisting of 2 x HDMI 2.0, 2 x 12G-SDI, 4K UVC and NDI
- Maximum 8 channels for audio mixing
- 1-CH 4K60 Program output and 1-CH 1080P60 for preview
- Cut mode and preview transition mode support
- USB 3.0 4K60 recording capability, bitrate up to 32Mbps
- UVC recording which is USB and UAC devices compatible (including AI mini)
- RTMP(s)/NDI streaming via Ethernet port, managed by TAO Cloud
- USB 3.0 UVC 4K capture and outputs via third-party platforms like OBS
- Independent control of PTZ, zoom, and focus of multiple PTZ cameras;
- Chroma key support (green and blue) and Luma key support
- Third-party control and integration via free RGBlink Central Control Protocol

Application



Dimension



unit: mm

Specification

Connectors	Input	IN 1 HDMI 1/2	HDMI 2.0	2 × HDMI-A	
		IN 2 HDMI 3/4	HDMI 2.0	2 × HDMI-A	
		IN 3&IN 4	12G SDI	2 × BNC	
		IN 5&IN 6	UVC (H.264)	1 × USB-C （4K USB WEBCAM ）	*When UVC is enabled, the other channel is restricted to NDI only. When NDI is enabled, the other channel can be configured as either UVC or NDI.*
			NDI （Decode ）	1 × RJ45(LAN)	
	Output	Multi-View	HDMI 1.3	1 × HDMI-A	
		Program	HDMI 2.0	1 × HDMI-A	
		Record	USB 3.0	1 × USB-C (H.264)	
		Capture	USB 3.1	1 × USB-C	
		IP Stream	RTMPS/NDI	1 × RJ45(LAN)	
	Audio	MIC IN 1	Mic Level	1 × Combo Jack 6.35mm TS+XLR (Phanton Power)	
		MIC IN 2	Mic Level	1 × Combo Jack 6.35mm TS+XLR	
		LINE IN	Line Level	1 × 6.35mm Jack TRS	
		LINE OUT	Line Level	1 × 6.35mm Jack TRS	
				1 × 3.5mm Jack TRS	
	Communication/Upgrade	HTTPS Web UI	1 × RJ45 (LAN)		
	Power	Power Supply	1 × USB-C		
Performance	Input Resolution	*Select Standard Resolution or Custom Resolution*			
		HDMI 2.0			
		SMPTE	720p@50/60 | 1080p@30/50/60 | 2160p@30/50/60		
		VESA	1024 × 768p@60 | 1280 × 720p@60 | 1280 × 768p@60 | 1280 × 800p@60 | 1280 × 1024p@60 | 1360 × 768p@60		
			1366 × 768p@60 | 1440 × 900p@60 | 1600 × 1200p@60 | 1680 × 1050p@60 | 1920 × 1080p@60		
			1920 × 1200p@60 | 3840 × 2160p@60 | 4096 × 2160p@60		
		12G-SDI			
		SMPTE	720p@50/59.94/60 | 1080i@50/59.94/60		
			1080p@30/50/60 | 2160p@30/50/60		
	Output Resolution	MULTI-VIEW (PREVIEW) OUT			
		HDMI 1.3	1080p@60		
		PROGRAM OUT			
		HDMI 2.0/USB (Webcam)	1080p@50/60 | 2160p@30/50/60		
	Video	Grayscale/ Video Sampling	HDMI 2.0 Input	YUV444 | YUV422 | RGB (8/10/12bit)	
			HDMI 2.0 Output	RGB 8bit	
			USB (Record)	YUV420 8bit	
		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		
		SDI	SMPTE ST 2082-1|SMPTE ST 2081|SMPTE ST 424/292/259		
		NDI	NDI | HX2		
Power	Compatability	USB Power Delivery (PD) 3.0			
	Supported Cables	Certified USB PD Aware			
	Input Power	Type-C 20V/2.5A			
	Maximum Power	65W			
Environment	Temperature	0℃~45℃			
	Humidity	10%~85% RH			
Physical	Net Weight	1.48kg			
	Packaged Weight	2.80kg			
	Net Dimension	291.0mm × 222.7mm × 69.5mm			
	Packaged Dimension	332.0mm × 238.5mm × 109.0mm			

Order Codes

Order Codes	Item
230-0012-01-0	mini-max

[1] Recommended but not limited to 2TB.

[2] Simultaneously streaming on multiple platforms depends on the network.

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