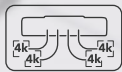


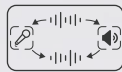
**RGBlink<sup>®</sup>**

# mini-mx

streaming video mixer



Four 4K Inputs



Multi-Channel  
Audio Mixing



Direct PTZ  
Camera Control



Dedicated Multi-View  
Preview Output



Powerful Features  
Touch Screen Interface

Mix to the max. The all-in-one mini-mx video enables accessible professional multi-source video productions with cameras, laptops and multiple audio sources. For live presentation and streaming, do it all with ease from the unique and fully featured mini-mx.



## Preview on Demand

Preview and configure interactively from the touch screen display, selecting live and insert video sources. Monitor on a HDMI display with a dedicated PVW multi-view output provided.



Configurable HDMI Output for live presentations.

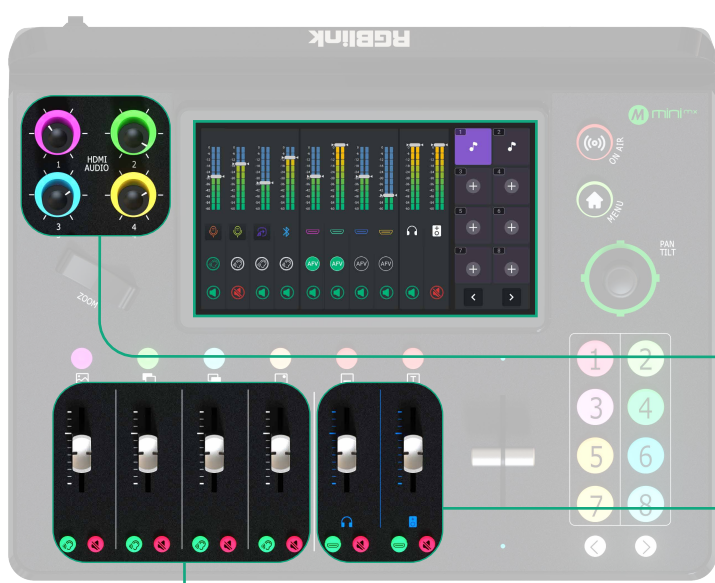


HDMI PVW port – configure for multi-view or any output.

# Pro Level Audio

## Capture Every Sound

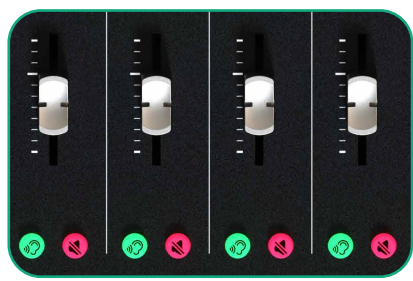
With three separate insert audio ports, mini-mx has got external balanced mic and line level audio covered. All three ports accept TRS 1/4in jacks, with MIC 1 & 2 supporting direct XLR connection too. Plus there is 48V phantom power directly from mini-mx available too on MIC 1, negating the need for a separate DI, and instantly making studio mics native connections as they should be.



## Follow the Action & Always be In Sync

Set AFV for any HDMI embedded audio so the audio switches with the video source to PVW and PGM automatically.

Configure audio delay for MIC inputs or a camera input to keep audio in sync with the video.



## Monitor & Set Live

Pro mixer audio level controls are front and centre on mini-mx, enabling "in the mix" with full monitoring familiar and accessibility

⌘ Bluetooth audio input supports.

# Pro Level Video

## Sophisticated Multi-Layer Presentation

Assemble visuals with multiple layers of video and graphics. mini-mx offers 2 full video layers plus background image, two graphic overlays from the media pool as well as dynamic OSD text overlay.



## Dynamically Scalable

Each of the two assignable video layers may be scaled, positioned and cropped with these placed over the background.

## Multiple Layer Sophistication

As well as video dual video sources, add also media pool graphic overlays for lower-thirds and branding logos, switch seamlessly between graphic elements.



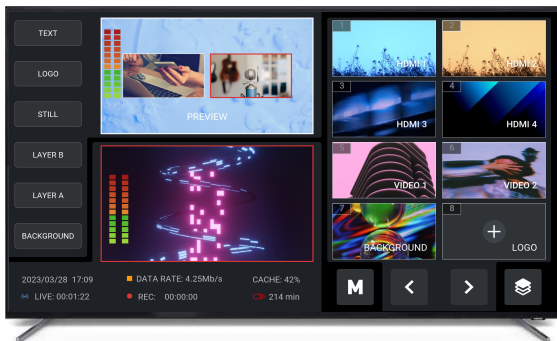
## Fluid Interactive Operation

Select any source or preset with a touch on the screen - thumbnails and iconography that makes mini-mx a natural and intuitive way to present and stream.



## Transition Like a Pro

mini-mx includes multiple DVE transition effects from preset to program, adding sophistication and effect.



## Leverage the Power of Presets

Save and store up to 16 presets on mini-mx, allowing 1 touch recall of all scene settings including PTZ focuses. Make use of smooth transitions.



## Go Remote

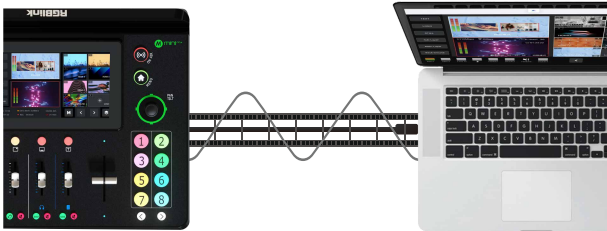
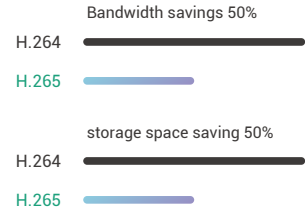
mini-mx web app companion apps for laptop and mobile allow remote use from the mini-mx and the video connections. Fully integrated with the RGBlink TAO platform control streams remote too with TAO Live.

# Pro Streaming

## Enhanced Streaming

### H.265

Take advantage of advanced H.265 compression and encoding for higher performance streams.



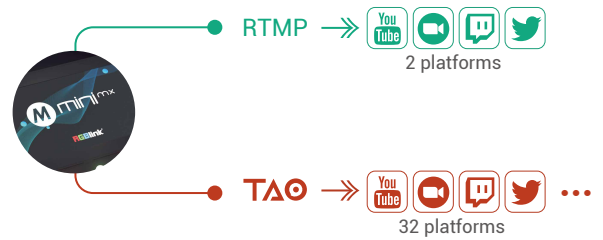
### Capture & Share

Connect mini-mx to a laptop for instant recognition as webcam to enabling Capture for apps such as OBS and many more.

Share your presentation in Teams, Zoom™ or any collaboration platform.

### live stream

Take advantage of advanced H.265 compression and encoding for higher performance streams.



### RTMP(S)

Stream to up to four multiple platforms simultaneously directly over IP without a laptop. And with TAO Live integrated directly into mini-mx, cloud-stream up to 32 platforms or connections at the same time.

## Recording

The USB 3.0 recording output interface can be directly connected to a hard drive with a maximum capacity of 2T.

It can simultaneously record while streaming, recording of 80Mbps high-definition video can last 100 hours.

Audio and video can be imported and used with one click during video.

- USB 3.0
- Record and play
- One-click import

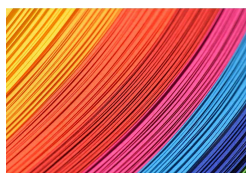


# Pro Color Rendering and Layers

## One-Click Chroma Key

Enable presenters to be in virtual studios and environments with Chroma Key.

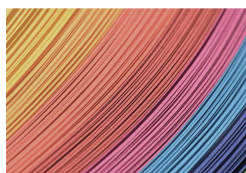
Select from standard key colours and enable Chroma Key directly on mini-mx without the need for an app. Refine colour selection and tolerances from the touch screen to optimise.



Original image



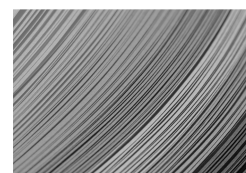
YUV444



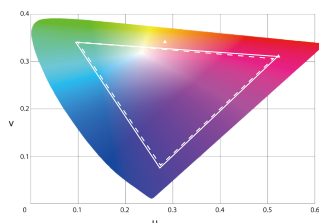
YUV422



YUV420



Y (Luma)

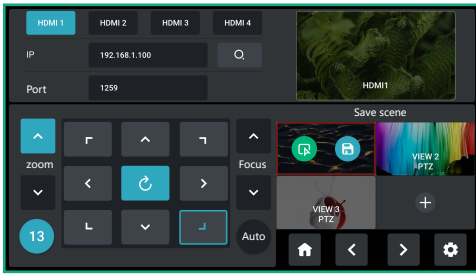


— HDTV(Rec 709) gamut  
- - - HDTV(Rec 601) gamut

## Full Color Matrix

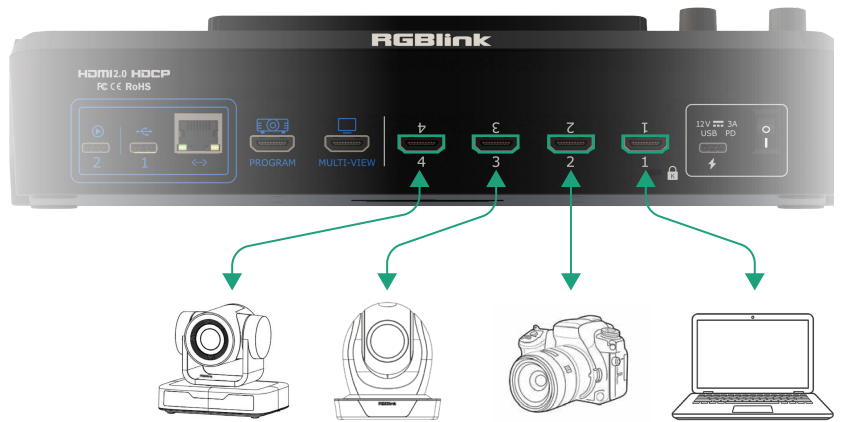
Lossless sampling rate at YUV4:4:4, and the Color Space Conversion Technology perfectly realizes the conversion of CCIR601 and CCIR709 to RGB color space, avoiding color distortion caused by color deviation.

# Take Full Control



## Integrated PTZ Camera Control

Forget about having multiple separate control panels for video and camera control. mini-mx brings it altogether, supporting industry standard VISCA protocol for PTZ control directly from the mixer. Control up four separate cameras with pan, tilt, zoom and focus.

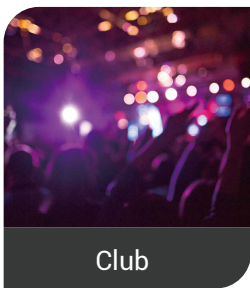


## Precise Fingertip Control

Integrated joystick provides tactile control for each PTZ camera. Used together toggle, set pan, tilt, zoom and focus from the front panel. Joystick and toggle are additionally dynamically assigned to settings including scale, position and crop for enhanced useability.

## Live & Streamed Video for Every Occasion

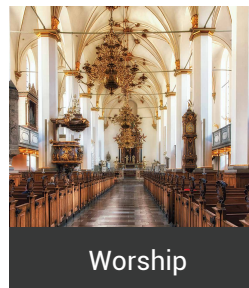
Compact yet fully featured. mini-mx expands the potential for video presentation, whether in person or streamed remotely, with powerful user-friendly tools that embrace modern technologies from camera and capture to broadcasting and streaming.



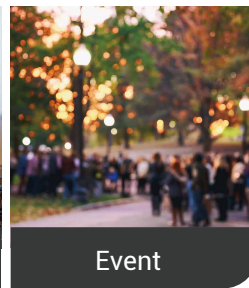
Club



Concert



Worship



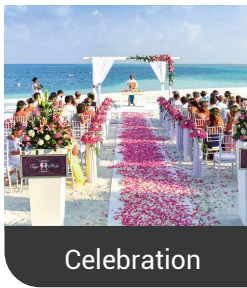
Event



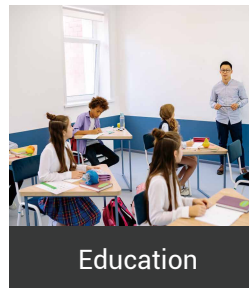
Conference



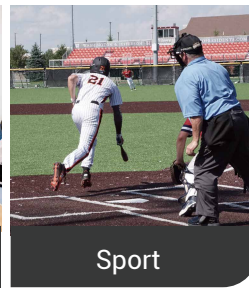
Training



Celebration



Education



Sport





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## Connections

Video Inputs		4 x HDMI-A (4 x 4K60)
Video Output	PGM PVW/AUX	1 x HDMI-A (1 x 2K60) 1 x HDMI-A (1 x 2K60)
UVC/Webcam Stream Output		1 x USB-C
Recording Output		1 x USB-C
Audio In	MIC LINE	2 x XLR/6.35mm TRS Jack 1 x 6.35mm TRS Jack
Audio Out	LINE H/PHONES	1 x 6.35mm (1/4") TRS Jack 1 x 3.5mm mini-Jack
Communication		1 x RJ45
Power		1 x USB-C

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## Platforms

Software	<b>RGBlink XPOSE mini</b> Windows 10, macOS
Mobile Apps	<b>RGBlink mini</b> OS, Android
Firmware Updates	<b>RGBlink XTOOL App</b> Via Ethernet

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## Operational Environment

Temperature	0° to 45° C (32° - 115° F)
Humidity	10-85% RH

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## Physical Specifications

Weight	Device	1.48kg (3.26lb)
	Packaged	2.80kg (6.17lb)
Dimensions	Device	280×223×64mm (11.0×8.8×2.5in)
	Packaged	332×238.5×109mm (13.1×9.4×4.3in)

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## In the Box

mini-mx  
3A USB-C PD external power supply  
International socket adapters  
USB-C cable

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## Order Codes

230-0004-09-0      mini-mx

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## Performance

Input Convertors	Independently on each of 4 inputs
Input Resync	On all 4 inputs
Input Resolutions	<b>SMPTE</b> 720p50, 720p60, 1080i50*, 1080p23.98, 1080p24.97, 1080p50, 1080p59.94, 1080p60 <b>VESA</b> 1024x768@60, 1280x720@60, 1280x768@60, 1280x800@60, 1280x1024@60, 1360x768@60, 1366x768@60, 1440x900@60, 1600x1200@60, 1680x1050@60, 1920x1080@60, 1920x1200@60, 3840x2160@60*, 4096x2160@60*

Output Resolutions	<b>SMPTE</b> 720p50, 720p60, 1080p23.98, 1080p24.97, 1080p50, 1080p59.94, 1080p60 <b>VESA</b> 1024x768@60, 1280x720@60, 1280x768@60, 1280x1024@60, 1360x768@60, 1920x1080@60
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## Supported Standards

Video Streaming	HDMI 2.0, HDCP 2.2 ITU-T H.265, RTMP/RTMPS ISO/IEC 23008-2
USB PTZ Control	3.0 VISCA
Disk Formats Recording	FAT32, exFAT MP4, WAV
Ethernet	10/100/1000BaseT
Video Sampling	4:4:4 YUV
Grayscale Processing	10bit
Color Space	Rec 709 (RGB)
Colorspace Conversion	Realtime in Hardware
Latency	<4 frames
Audio In Delay	Up to 8 frames
Mic Plug In Power	+48VDC Phantom Power (MIC1 Switchable)
Line Audio Input	Balanced Stereo
Upstream/Chroma Keyers	1
Downstream Keyers	3
Output Layers	
Total	6
Video	2
Background	1 (JPG/PNG)
Media/LOGO	2 (JPG/PNG)
Text/OSD	1 (Dynamic via App)
Hot Media Pool Sources	2
Direct/IP Streaming	
Format	RTMP/RTMPS
Connectivity	Ethernet, USB-C shared mobile connection
Streams	2 platforms simultaneously