



RGBlink®

miniEDGE

5 channel All-in-One Switcher



mini-edge is an affordable and portable All-In-One switcher, it is dedicated to born for the content production, brings to the industry with 5 live video inputs including 4 x HDMI 2.0 and 1 x UVC, and content channels for background graphic, caption and logo overlay, 8 channel audio mixed even with 1 x bluetooth, 1 x Type-C bi-direction connection. The live video, audio and content inputs go to the production pipeline with multi-layer and mixing control, output by 2 x HDMI, 1 x UVC, and streaming to the cloud. mini-edge is not only suitable for multi-platform live broadcasts and remote audio and video conference, but also ready to be widely used for various live events such as stages, education, press conferences, and sports games, with providing high-quality content and plenty functions, while having excellent cost performance.



Education



Sports



Worship



Events



Conference

Full-Featured Keyboard Controls at a Glance

The onboard 5.5-inch HD full-color screen monitors all input channels and output images in real time. Full-featured keyboard, fast control of any function.



mini-edge full-featured keyboard brings pre-defined buttons and knobs for common functions, each control to its dedicated function directly

mini-edge comes with customized button to support customer requirement based on application, such as safety input or backup input for security application, live brightness or contrast adjustment directly without head into each menu, PTZ control with selected PTZ camera and ready for Pan & Tilt, and so on.

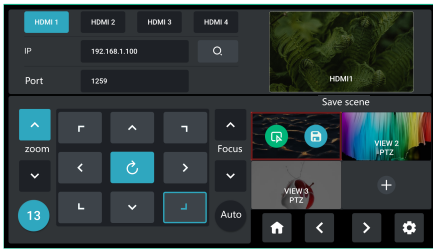


Configurable HDMI Output for live presentations



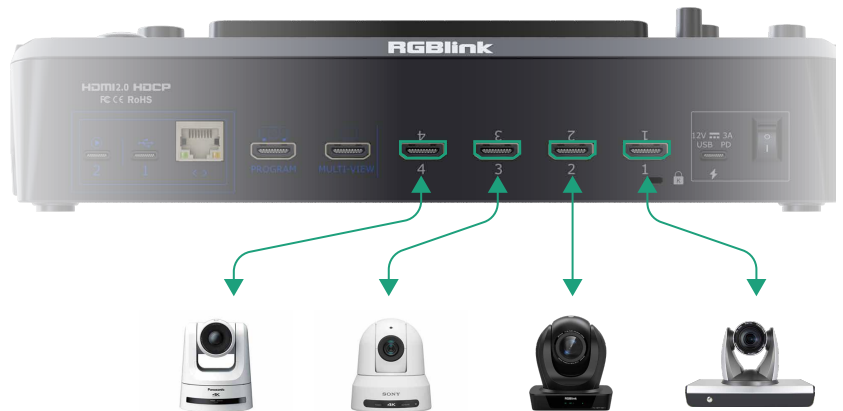
HDMI PVW port – configure for multi-view or AUX each input

Take Full Control



Integrated PTZ Camera Control

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



Precise Fingertip Control

Integrated joystick provides tactile control for each PTZ camera. Used together toggle, 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.

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-edge without the need for an app. Refine colour selection and tolerances from menu or web app to optimise.



Pro Level Audio

Capture Every Sound

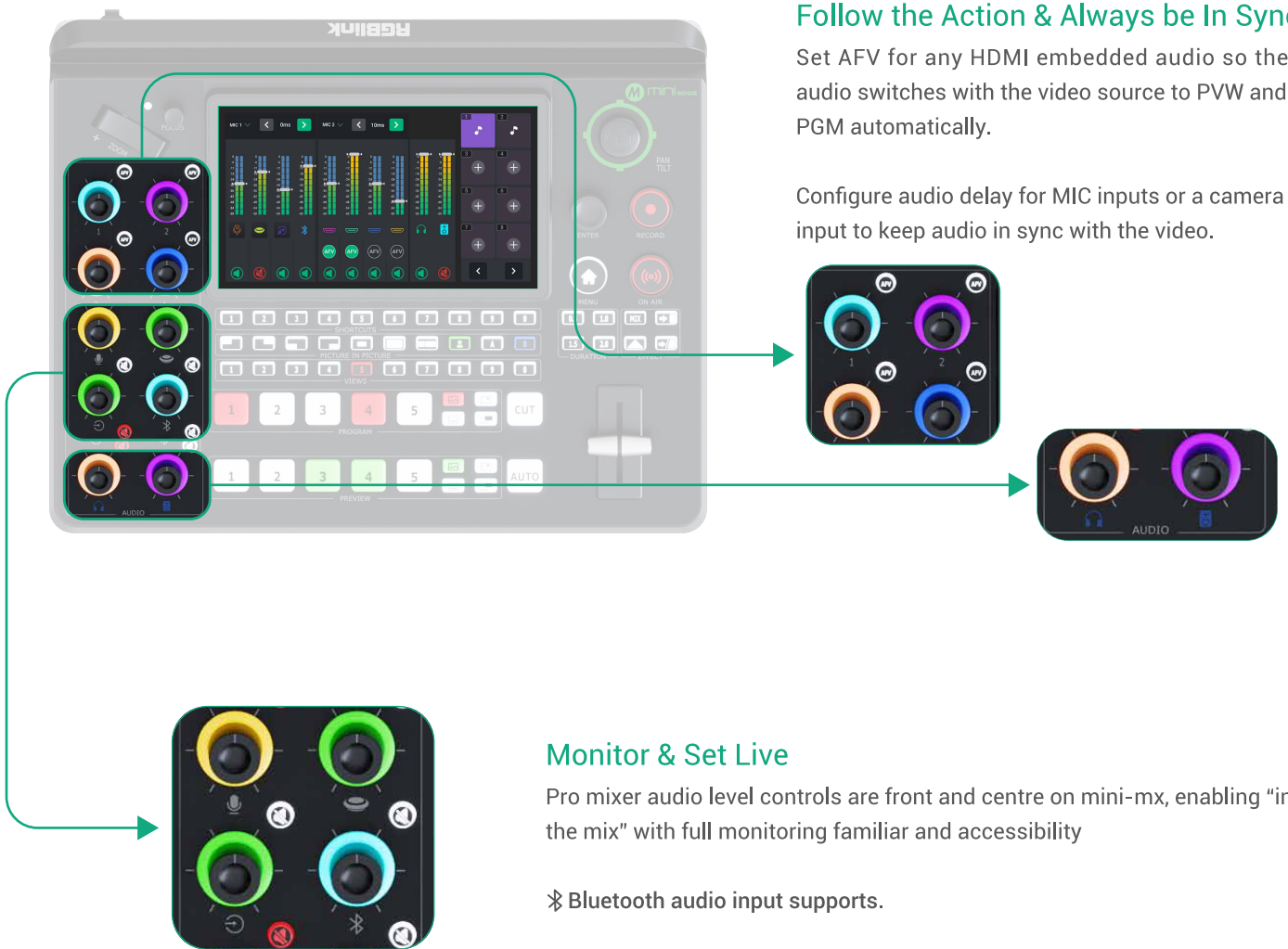
With two separate insert audio ports, mini-edge has got external balanced mic and line level audio covered. All two ports accept TRS 1/4in jacks, with MIC supporting direct XLR connection too. Plus there is 48V phantom power directly from mini-edge available too on MIC, negating the need for a separate 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-edge offers 2 full video layers plus background image, two graphic overlays from the media pool as well.



Dynamically Scalable

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

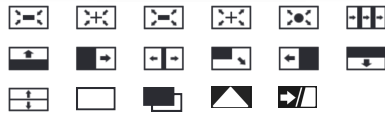
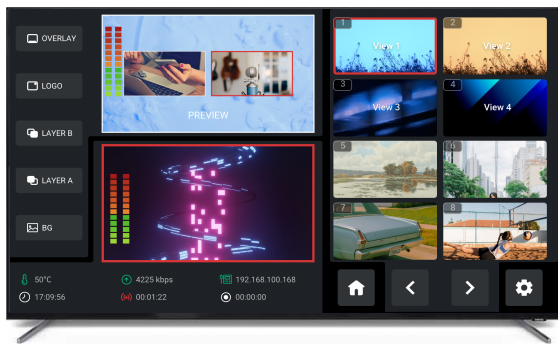
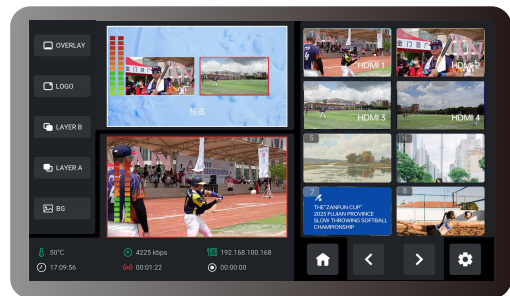
Multiple Layer Sophistication

As well as 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 control panel thumbnails and iconography that makes mini-edge a natural and intuitive way to present and stream.



Transition Like a Pro

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

Leverage the Power of Presets

Save and store up to 10 presets on mini-edge, allowing 1 press recall of all scene settings including PTZ focuses. Make use of smooth transitions.



Go Remote

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

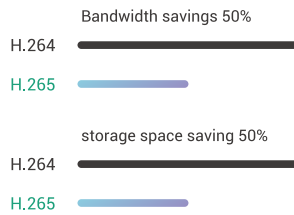


Pro Streaming

Enhanced Streaming

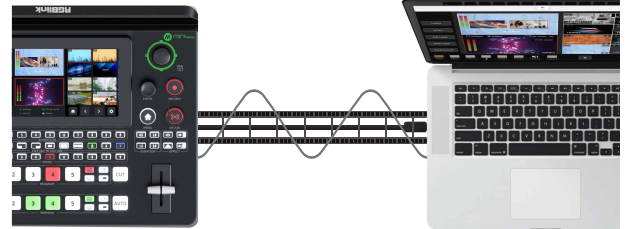
H.265

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



live stream

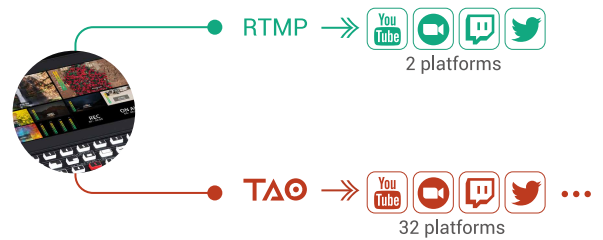
Take advantage of advanced H.265 compression and encoding for higher performance streams.



Capture & Share

Connect mini-edge 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.



RTMP(S)

Stream up to four multiple platforms simultaneously directly over IP without a laptop. And with TAO cloud integrated directly into mini-edge, 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 2TB.

It can simultaneously record while streaming, recording of 160Mbps high-definition video can last 100 hours.



USB 3.0



Record



USB MIC



Connections

Video Inputs	HDMI 4K UVC	4 x HDMI-A (4 x 4K60) 1xUSB-C
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	1 x XLR/6.35mm TRS Jack 1 x 6.35mm TRS Jack
Audio Out	LINE H/PHONES	1 x 6.35mm (¼") TRS Jack 1 x 3.5mm mini-Jack
Communication		1 x RJ45
Power		1 x USB-C

Control

		RGBlink mini OS
Applicable systems and browsers		Windows/Mac OS/iOS/ Android/Chrome/Edge
Firmware Updates		U disk upgrade

Operational Environment

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

Physical Specifications

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

In the Box

mini-edge	1
PD power adapter	1
OTG cable	1
USB-C data cable	2
quick guide	1

Order Codes

230-0006-01-0	mini-edge
---------------	-----------

Performance

Input Convertors	Independently on each of 5 inputs
Input Resync	On all 4 HDMI 2.0 inputs

Input Resolutions	SMPTE 720p50, 720p60, 1080i50*, 1080p23.98, 1080p24.97, 1080p50, 1080p59.94, 1080p60
	VESA 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	SMPTE 720p50, 720p60, 1080p23.98, 1080p24.97, 1080p50, 1080p59.94, 1080p60
	VESA 1024x768@60, 1280x720@60, 1280x768@60, 1280x1024@60, 1360x768@60, 1920x1080@60

Supported Standards

Video Streaming	HDMI 2.0, HDCP 2.2 ITU-T H.265, RTMP/RTMPS ISO/IEC 23008-2
USB PTZ Control Disk Formats Recording Ethernet	3.0 VISCA OVER IP FAT32, exFAT MP4 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	2
Output Layers	
Total	5
Video	2
Background	1 (JPG/PNG)
Still/LOGO	2 (JPG/PNG)
Hot Media Pool Sources	2
Direct/IP Streaming	
Format	RTMP/RTMPS
Connectivity	Ethernet, USB-C shared mobile connection
Streams	2 platforms simultaneously