4K ULTRA HD

RGBlink®

mini ISO

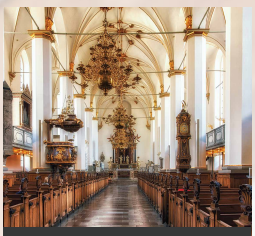
10 channel All-in-One Switcher



mini-ISO is a live broadcast and recording director console with 10 video inputs, 8 audio inputs and multiple output interfaces, supporting multiple layers and mixing control. It is not only suitable for leasing, broadcasting, multi-platform live broadcasting, remote audio and video conferencing, but also for various live events such as stage, education, press conference, sports meeting, etc. It has excellent cost performance while providing high-quality functions.


Lease


Broadcasting


Worship


Event


Conference



Full-Featured Keyboard Controls at a Glance

The onboard 3.5-inch HD full-color touch screen monitors all input channels and output images in real time. Full-featured keyboard, fast control of any function.





Configurable HDMI Output for live presentations
Excellent compatibility and a wide range of resolution options



HDMI PVW port – configure for multi-view or AUX each input
Excellent compatibility and a wide range of resolution options

Take Full Control



Integrated PTZ Camera Control

Forget about having multiple separate control panels for video and camera control. mini-ISO brings it all together, supporting industry standard VISCA protocol/NDI 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 it 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 usability.



Professional broadcast SDI input

Longer transmission distance and more professional broadcast SDI camera input.

*3G-SDI supports up to 100 meters, RGBlink laboratory test data.

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-ISO without the need for an app. Refine colour selection and tolerances from the touch screen to optimise.



Pro Level Audio

Capture Every Sound

mini-ISO supports 8 audio inputs, including 4 HDMI 2.0 embedded digital audio, 1 USB-A external input by USB 2.0 port and 2 external analog audio inputs. The external analog audio inputs include 1x Line (3.5mm connector) input .

mini-ISO supports 8 channel's audio mixing output except UAC.







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

The professional audio console with dynamic button operation is both eye -catching and convenient. It provides precise control allows for easy volume adjustment, and enables one - key mute and monitoring, which brings the user an excellent live-streaming experience.

Pro Level Video

Sophisticated Multi-Layer Presentation

Assemble visuals with multiple layers of video and graphics. mini-ISO offers 2 full video layers plus a background image and two graphic overlays from the media pool as well.



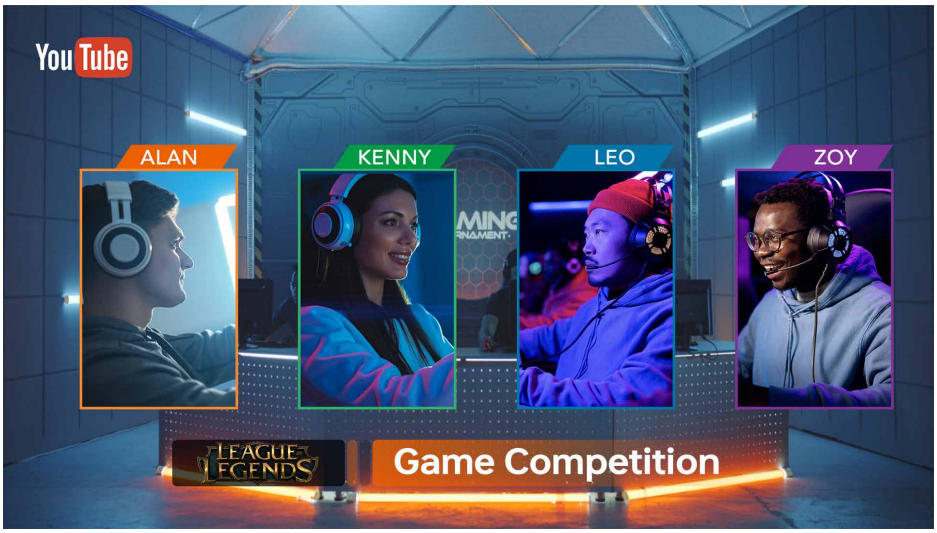


Dynamically Scalable

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

Multiple Layer Sophistication

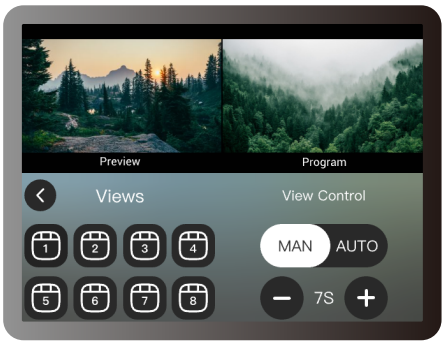
Besides dual video sources, also add media pool graphic overlays for lower -thirds and branding logos, and switch seamlessly between graphic elements.

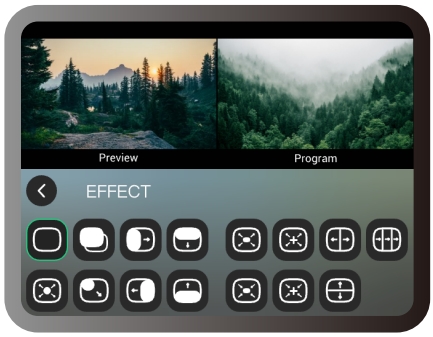


* It is recommended to open layer A and layer B separately if you want to add a logo or background. Otherwise, the system may be overloaded, causing stuttering issue.

Interactive Operation with a Touch

Select any source or preset with control panel thumbnails and iconography that makes mini-ISO a natural an intuitive way to present and stream.





Transition Like a Pro

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

Leverage the Power of Presets

Save and store up to 8 presets on mini-ISO allowing 1 press recall of all involvedscene settings including PTZ focus with a smooth transition.





Go Remote

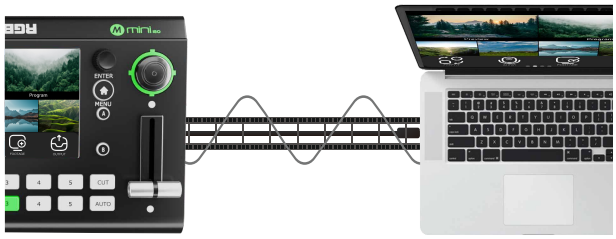
mini-ISO web app is integrated into RGBlink TAO cloud, and works as a cross platform doesn't matter Mobile or Desktop, Windows, macOS. Android. For remote control such as switching and streaming it comes with openAPI also.

Pro Streaming

Capture & Share

Connect mini-ISO to a laptop or a one-stop conference device for instant recognition as a webcam to enable Capture for apps such as OBS and many more.

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



live stream

Support vertical screen live broadcast, adapt to more mobile phone live platforms





RTMP(s)

Stream directly to TAO cloud, TAO Cloudn restreams up to 32 content platforms the same time.



NDI

mini-ISO supports NDI|HX2 encoder as FHD. You need to apply for a license first, then import it and use it.



Recording & Media Playback

The mini-ISO provides one USB-A interface for live recording, to USB disk or SSD card, and supports to playback media files from the disk also

Notes: For those who require 4K recording, MSB331U can be used to meet the need.

Specification

Connections

Input	HDMI 4K	4xHDMI-A
	UVC (USB Cam)	1xUSB-A (Record)
	SDI	4xBNC
	Media	1xUSB-A (Record)
	NDI	1xRJ45 (LAN)
OUTPUTS	HDMI2K	2xHDMI-A
	USB (Record)	1xUSB-A (Record)
	USB (Stream)	1xUSB-A (Webcam)
	RTMP(S)/NDI	1xRJ45 (LAN)
Audio	Embedded audio Input	4 × HDMI-A
	External Digital Input	1 × USB-A
	External Analog Input	2 × 3.5mm mini-Jack
	External Analog Ouput	1 × 3.5mm mini-Jack
Communication/ Stream/Upgrade	LAN	1 × RJ45
Power	Power Supply	1 × USB-C

Control

Remote Control	Web APP
Firmware Update	TAO Cloud

Operational Environment

Temperature	0° to 60° C
Humidity	10-85% RH

Physical Specifications

Weight	Device	0.60 kg
	Packaged	1.38 kg
Dimensions	Device	197 × 113 × 60 mm
	Packaged	255 × 145 × 85 mm

In the Box

mini-ISO	1
Power Adapter	1
Power Cable	1
USB-A Cable	1
Audio Cable	1

Order Codes

230-0007-01-0	mini-ISO

Performance

Input Resolutions	HDMI SMPTE 720p@50/60 | 1080i@50/60 | 1080p@24/30/50/60 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 | 1600×1200p60 | 1680×1050p@60 | 1920×1080p@60 | 1920×1200p@60 | 3840×2160p@60 | 4096×2160p@60 SDI 720p@50/60 | 1080i@50/59.94/60 | 1080p@23.98/24/25/29.97/30/50/ 59.94/60 UVC 1080p@60
Output Resolutions	HDMI 1.3 1280×720p@50/60 | 1920×1080p@30/50/60| 1080×1920p@60 USB 1280×720p@60 | 1920×1080p@24/25/30/50/60
Supported Standards	HDMI 2.0 HDCP 1.4 SDI (3G/HD/SD) USB 3.0 NDI | HX2
Color Space	RGB 8bit | YCbCr 4:4:4 8bit | YCbCr 4:2:2 8bit
Video Latency	<3 frames
Audio Format	PCM/2ch/24bit/48kHZ
Sampling Rate	48K
Bitrate	24bit
Record Formats	MP4 (up to 16Mbps)
Disk Formats	FAT32 | exFAT
USB Power Delivery	UVC 3.0
Supported Cables	Certified USB PD Aware
Input Voltage	PD 12V/2.5A
Input Voltage	30W