RGBlink 230-0003-03-1

RGBlink Mini-pro V3 Video Mixer Switcher User Manual

Model: 230-0003-03-1 | Brand: RGBlink

1. PRODUCT OVERVIEW

The RGBlink Mini-pro V3 is a compact yet powerful video mixer and switcher engineered for professional live production environments. It integrates multiple video and audio sources, offering advanced control and output capabilities for a seamless streaming and recording experience.

Figure 1: Front view of the RGBlink Mini-pro V3, showcasing its integrated screen and control interface.

Key features include:

- **Next-Level Streaming Performance:** Supports streaming to up to 4 platforms simultaneously via

RTMP(S), with 4K HDMI inputs and dual HDMI outputs for multi-screen monitoring.

- **Enhanced Control Interface:** Features a 2.1-inch full-color IPS touchscreen and a precision 5-direction joystick for intuitive control over various functions.
- **Advanced Streaming and Recording Capabilities:** Direct streaming to multiple platforms and simultaneous recording to an external SSD (up to 2TB) with USB 3.0 output (YUY2, MJPEG, H.264).
- **Comprehensive PTZ Control:** Full PTZ camera control using the VISCA protocol, allowing precise lens movement, focus, and zoom, with preset saving and recall.
- **Versatile Audio and Video Management:** Advanced audio management with true balanced DAC circuitry for high-quality MIC and LINE inputs, supporting various color spaces (RGB 4:4:4, YUV 4:4:4, YUV 4:2:2).
- **Remote Control via TAO Cloud:** Remote control functionality through the RGBlink TAO cloud platform, accessible on PC, Mac, iPad, iPhone, and Android devices, enabling streaming to up to 32 platforms.

2. SETUP GUIDE

Proper setup of your RGBlink Mini-pro V3 is crucial for optimal performance. Follow these steps to connect your devices.

2.1 Connecting Video Sources

The Mini-pro V3 features four 4K HDMI inputs. Connect your cameras, camcorders, or other HDMI sources to the HDMI IN ports (HDMI1, HDMI2, HDMI3, HDMI4) on the rear of the unit.

Figure 2: Diagram illustrating various input and output connections for the Mini-pro V3.

2.2 Connecting Outputs

The unit provides dual HDMI outputs for multi-screen monitoring and a USB 3.0 output for streaming and recording.

- **HDMI Outputs:** Connect your display monitors to the HDMI OUT ports. These can be used for program out, multi-view, or other monitoring needs.
- **USB 3.0 Output:** Connect the USB 3.0 port to your computer for direct streaming to platforms or to an external SSD for recording.

2.3 Audio Connections

For audio input, use the MIC and LINE IN ports. The Mini-pro V3 supports true balanced DAC circuitry for high-quality audio. Connect your microphones or line-level audio devices as needed.

Figure 3: Detailed view of the input and output ports on the RGBlink Mini-pro V3.

2.4 Power Connection

Connect the provided power adapter to the USB-C Power port on the unit and then to a power outlet. Ensure the unit is powered on before operation.

3. OPERATING INSTRUCTIONS

The RGBlink Mini-pro V3 offers intuitive controls for managing your video production.

3.1 Touchscreen and Joystick Navigation

The 2.1-inch full-color IPS touchscreen provides a visual interface for settings and monitoring. Use the precision 5-direction joystick for navigating menus, adjusting layers, changing aspect ratios, and controlling PTZ cameras.

3.2 Video Switching and Effects

Utilize the dedicated input buttons (1-4) to switch between your HDMI sources. The unit supports advanced features such as chroma keying and logo overlay for professional effects.

Figure 4: Illustration of Chroma Key and Logo Overlay functionalities.

3.3 PTZ Camera Control

The Mini-pro V3 offers comprehensive PTZ camera control via the VISCA protocol. Use the joystick and touchscreen to precisely control lens movement, focus, and zoom. You can save and recall PTZ presets to streamline your workflow.

PTZ CAMERA CONTROL

Up to control 8 cameras as well as navigation better than ever with precision Joystick and toggle button. Include 4 PTZ preset saving and scene saving for recall at the touch of a button.

Figure 5: PTZ camera control setup with the Mini-pro V3.

3.4 Streaming and Recording

Stream your content directly to multiple platforms simultaneously using the RTMP(S) protocol. The USB 3.0 output allows for direct connection to a computer for streaming via software like OBS or Vmix, or for recording to an external SSD up to 2TB.

Figure 6: The Mini-pro V3 connected for recording to an external SSD.

3.5 Remote Control (TAO Cloud)

For enhanced control, download the RGBlink TAO cloud platform application on your PC, Mac, iPad, iPhone, or Android device. This allows for remote operation and simultaneous streaming to up to 32 platforms over a shared network.

4. MAINTENANCE

To ensure the longevity and optimal performance of your RGBlink Mini-pro V3, regular maintenance is recommended:

- Keep the unit clean by wiping it with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.
- Ensure proper ventilation around the unit to prevent overheating.
- Regularly check for and install firmware updates from the RGBlink official website to access new features and improvements.
- Store the unit in a cool, dry place when not in use, away from direct sunlight and extreme temperatures.

5. TROUBLESHOOTING

If you encounter issues with your RGBlink Mini-pro V3, consider the following common troubleshooting steps:

- **No Video Signal:** Verify all HDMI cables are securely connected to both the source and the Mini-pro V3. Ensure the video source is powered on and outputting a compatible resolution.
- **No Audio:** Check audio cable connections. Ensure audio input levels are correctly set on the Mini-pro V3 and the source device.
- **Streaming Issues:** Confirm your internet connection is stable. Check RTMP(S) settings and streaming platform configurations. Ensure your external SSD has sufficient space and is properly formatted if recording.
- **Control Interface Unresponsive:** Restart the unit. If the touchscreen or joystick remains unresponsive, contact customer support.
- **PTZ Camera Not Responding:** Verify the PTZ camera is powered on and connected correctly. Check the VISCA protocol settings and IP address configuration if applicable.

For more detailed troubleshooting or persistent issues, please refer to the official RGBlink support resources or contact their customer service.

6. SPECIFICATIONS

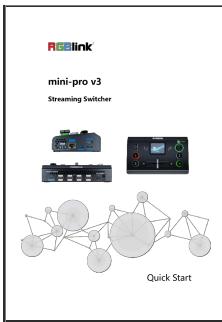| Feature	Detail
Product Dimensions	4.72 x 7.09 x 1.97 inches
Item Weight	14.8 ounces
ASIN	B0DBVZG2NS
Item model number	230-0003-03-1
Date First Available	September 3, 2024
Manufacturer	RGBlink Science & Technology Co.,Ltd
Language	German (Note: Manual content is in English)
Color	mini-pro
Connector Type	HDMI, USB Type-A
Compatible Devices	Camcorder, Camera, Laptop, Monitor, Smartphone
Cable Type	HDMI

7. WARRANTY AND SUPPORT

The RGBlink Mini-pro V3 comes with a manufacturer's warranty. For specific details regarding warranty coverage, duration, and terms, please refer to the warranty card included with your product or visit the official RGBlink website.

For technical support, product inquiries, or service requests, please contact RGBlink customer support through their official channels. Keep your purchase receipt and product model number (230-0003-03-1) readily available when seeking support.

Related Documents - 230-0003-03-1

mini-edge User Manual **RGBlink**	**[RGBlink mini-edge User Manual: Comprehensive Guide to Live Video Production](#)** Explore the features and operation of the RGBlink mini-edge, a versatile all-in-one video mixer and switcher. This user manual covers installation, setup, advanced features like PTZ control and multi-layer overlay, and streaming capabilities.
RGBlink Video (processing) for any scale mini mini+ Quick Start	**[RGBlink mini / mini+ Quick Start Guide: Video Switcher & Mixer](#)** Comprehensive quick start guide for the RGBlink mini and mini+ video switchers and mixers, covering setup, features, hardware orientation, software operation, OBS streaming, firmware upgrades, and contact information.
mini-pro User Manual **RGBlink**	**[RGBlink mini-pro User Manual: Live Streaming Switcher Guide](#)** Comprehensive user manual for the RGBlink mini-pro, a compact live streaming switcher. Learn about its features, installation, operation, network streaming, and troubleshooting for professional video production.
mini **RGBlink** User Manual	**[RGBlink mini Video Switcher User Manual: Features, Operation, and Setup](#)** A comprehensive guide to the RGBlink mini video switcher, covering installation, setup, operation, key features like HDMI inputs, touchscreen control, USB recording, PTZ control, and TAO Cloud integration for live streaming and content creation.
RGBlink mini-pro v3 Streaming Switcher Quick Start	**[RGBlink mini-pro v3 Streaming Switcher: Quick Start Guide](#)** A comprehensive quick start guide for the RGBlink mini-pro v3 Streaming Switcher, covering product overview, features, front and interface panel details, installation, and operational usage for live streaming and video production.

[RGBlink mini-pro v3 Streaming Switcher Quick Start Guide](#)
Quick start guide for the RGBlink mini-pro v3 Streaming Switcher, detailing its features, setup, and operation for live streaming and video production.

Documents - RGBlink – 230-0003-03-1

mini-pro v3

User Manual

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mini-pro v3 User Manual 1 Content Declarations .... 2 5771197 support rgblink.com www.rgblink.com 56 Chapter 5 Ordering Codes 5.1 Product Code **230-0003-03-1** mini-pro Xiamen RGBlink Science Technology Co., Ltd. Ph: 86 592 5771197 suppo...
lang:en score:29 filesize: 4.87 M page_count: 74 document date: 2024-07-05

[RGBlink mini-pro: Compact 4K HDMI Streaming Switcher](#)
Explore the RGBlink mini-pro, a versatile and compact live streaming switcher featuring 4K@60 HDMI inputs, USB 3.0 webcam output, RTMP streaming, and advanced control features for professional broadcast production.
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[pdf] Specifications

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mini -pro v3 Streaming Switcher This is the 3rd generation of mini-pro, mini-pro v3 features four 4K HDMI inputs and dual HDMI outputs. Both Line and Mic level audio supported on aboard with variable delay controls to bring audio into sync if needed. USB output supports YUY2, MJPEG and H.264 encodin...

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