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› RGBlink RGB12X-POE-TLY vue 12X PTZ Camera with Tally User Manual

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Model: RGB12X-POE-TLY

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the RGBlink RGB12X-POE-TLY vue 12X PTZ Camera with Tally. This camera is designed for professional video capture, offering Pan, Tilt, and Zoom capabilities, along with advanced image processing features.



Figure 1: Front view of the RGBlink RGB12X-POE-TLY PTZ Camera, showcasing its lens and compact design.

SETUP

1. Package Contents

Before installation, verify that all components are present:

- RGBlink RGB12X-POE-TLY PTZ Camera
- Power Adapter (if included, otherwise PoE is primary)
- Mounting Bracket (if included)
- Documentation (Quick Start Guide, Safety Information)

2. Physical Installation

Mount the camera securely on a stable surface or ceiling using the provided mounting hardware. Ensure the camera has a clear line of sight to the desired capture area.

3. Connections

Connect the necessary cables to the camera's rear panel. The RGB12X-POE-TLY supports Power over Ethernet (PoE) for simplified installation, requiring only a single Ethernet cable for both power and data.



Figure 2: Rear view of the RGBlink RGB12X-POE-TLY PTZ Camera, showing various connectivity ports including LAN (PoE), RS232, RS485, 3G-SDI, HDMI, and USB.

- **LAN (PoE):** Connect an Ethernet cable from a PoE-enabled switch or injector for power and network connectivity.
- **3G-SDI:** Connect to an SDI video switcher or monitor for high-quality video output.
- **HDMI:** Connect to an HDMI display or capture device for video output.
- **USB:** Connect to a computer for control or video capture.

- **RS232/RS485:** Connect to a serial control device for PTZ camera control.
- **Audio In:** Connect an external audio source.
- **DC 12V:** (Optional) Connect the provided power adapter if PoE is not used.

4. Network Configuration

Once connected to the network, the camera will typically obtain an IP address via DHCP. Refer to the camera's network settings menu or a network scanning tool to identify its IP address. Access the camera's web interface via a web browser for advanced configuration.

OPERATING INSTRUCTIONS

1. Pan, Tilt, and Zoom Control

The camera offers precise Pan, Tilt, and 12x Optical Zoom capabilities. Control can be achieved through:

- **Web Interface:** Access the camera's IP address in a web browser to use the on-screen controls.
- **Serial Control:** Use a compatible PTZ controller connected via RS232 or RS485.
- **USB Control:** Utilize software applications that support USB camera control.

The camera also features a 10x digital zoom for further magnification.

2. Image Quality Settings

Adjust image settings via the web interface or control software to optimize video output:

- **Auto Focus:** The camera automatically adjusts focus for clear images. Manual focus override may be available.
- **Dynamic Level Adjustment (WDR):** Wide Dynamic Range helps balance exposure in scenes with both very bright and very dark areas.
- **2D/3D Dynamic Noise Reduction (DNR):** Reduces visual noise in low-light conditions, improving image clarity.
- **Frame Rate:** Supports up to 60 frames per second (fps) for smooth motion capture.

3. Tally Light Indicator

The integrated TALLY crown light indicator provides 360-degree visibility, indicating when the camera is live or in preview mode. This feature is crucial in multi-camera production environments.

MAINTENANCE

1. Cleaning

Regularly clean the camera lens and exterior with a soft, dry, lint-free cloth. For stubborn marks on the lens, use a specialized lens cleaning solution and cloth. Avoid abrasive cleaners or solvents.

2. Firmware Updates

Periodically check the RGBlink official website for firmware updates. Firmware updates can provide new features, performance improvements, and bug fixes. Follow the instructions provided with the firmware update package carefully.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No Power	Power cable disconnected; PoE not active; faulty power adapter.	Check power connections. Ensure PoE switch/injector is active. Test with a different power source if available.
No Video Output	Incorrect cable connection; wrong input selected on display; network issue for IP stream.	Verify HDMI/SDI/USB cable connections. Select correct input on monitor/switcher. Check network connectivity for IP video.
PTZ Control Not Responding	Incorrect control protocol; wrong serial port settings; network connectivity issues.	Confirm control protocol (e.g., VISCA) and address settings. Check serial cable connections. Verify network connection for IP control.
Image is Blurry	Auto-focus issue; dirty lens; incorrect manual focus.	Ensure auto-focus is enabled or manually adjust focus. Clean the lens.

SPECIFICATIONS

Feature	Detail
Brand	RGBlink
Model Number	RGB12X-POE-TLY
Video Capture Resolution	1080p
Effective Video Resolution	1080
Digital Zoom	12x
Focus Type	Auto Focus
Connectivity Technology	USB, LAN (PoE), RS232, RS485, 3G-SDI, HDMI
Wireless Compatibility	802.11n
Screen Size	2.4 Inches <i>(Note: This specification might refer to a small display on the camera or a control panel, not the main output.)</i>
Has Image Stabilization	No
Are Batteries Included	No
Unit Count	1.0 Count

WARRANTY INFORMATION

This product is covered by a manufacturer's warranty. For specific terms, conditions, and duration of the warranty, please refer to the warranty card included with your product or visit the official RGBlink website. Keep your proof of purchase for warranty claims.

SUPPORT

For technical assistance, troubleshooting beyond this manual, or service inquiries, please contact RGBlink customer support. Visit the official RGBlink website for contact information, FAQs, and additional resources.

