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**PTZOptics PT30X-4K-GY-G3\_ED1\_1**

# PTZOptics Move 4K Auto-Tracking PTZ Camera Instruction Manual

Model: PT30X-4K-GY-G3\_ED1\_1

## PRODUCT OVERVIEW

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The PTZOptics Move 4K 30x Auto-Tracking PTZ Camera is designed for high-quality video production, offering advanced features such as auto-tracking, auto-framing, and 4K resolution at 60 frames per second. It is suitable for various applications including education, conferences, and live broadcasts. This manual provides essential information for setting up, operating, and maintaining your camera.



Figure 1: Front view of the PTZOptics Move 4K Camera.

## UNBOXING AND PACKAGE CONTENTS

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Upon unboxing your PTZOptics Move 4K camera, ensure all components are present. The package typically includes the following items:

- PTZOptics Move 4K Camera (30X model)
- 12V AC Power Supply
- USB A-A Cable
- RS232 Cable
- Quick Start Guide

- IR Remote
- (2) AA Batteries

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Video 1: PTZOptics Move 4K Unboxing. This video demonstrates the unboxing process and highlights the included accessories.



Figure 2: Side view of the PTZOptics Move 4K Camera, showcasing its sleek design.

## SETUP

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Follow these steps to set up your PTZOptics Move 4K camera:

1. **Power Connection:** Connect the provided 12V AC Power Supply to the DC 12V port on the back of the camera.

Alternatively, if your network supports Power over Ethernet (PoE), you can connect an Ethernet cable to the LAN port for both power and data.

2. **Resolution and Frame Rate Selection:** Before powering on, select your desired video resolution and frame rate using the yellow dial labeled "SYSTEM SELECT" on the back of the camera. Refer to the Quick Start Guide or the table on the bottom of the camera for available options.
3. **Initial Power On:** Once powered, the camera will perform an initial pan and tilt movement. The "POWER" light on the front will illuminate.
4. **Connectivity:** Connect the camera to your live streaming, recording, or conferencing device using the appropriate output ports (USB 2.0, 3G-SDI, or HDMI).



Figure 3: Rear view of the camera, highlighting the various input/output ports including DC 12V, LAN (PoE), USB 2.0, 3G-SDI, HDMI, RS232, RS485, and audio line in/out.

## OPERATING INSTRUCTIONS

The PTZOptics Move 4K camera offers multiple control options and features for seamless operation:

- **Auto-Tracking and Auto-Framing:** Utilize the camera's built-in auto-tracking and auto-framing capabilities to automatically follow a subject or keep multiple subjects framed within the shot.
- **Tally Light:** A built-in tally light located above the lens indicates whether the camera is live (red) or in preview mode, helping talent stay in sync with the production.
- **Control Options:** The camera can be controlled via the included IR remote, network connection, RS-232, RS-485, Web UI, PTZ Control App, or a Camera Management Platform.
- **Simultaneous Outputs:** The camera provides simultaneous video outputs via NDI, USB, and IP, along with either SDI or HDMI, allowing for flexible integration into various production workflows.



Figure 4: This diagram illustrates how the PTZOptics camera can be used for live streaming directly to platforms like YouTube and Facebook Live, with audio input via 3.5mm.

## MAINTENANCE

To ensure the longevity and optimal performance of your PTZOptics Move 4K camera, follow these general maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the camera body. For the lens, use a specialized lens cleaning cloth and

solution to avoid scratches. Do not use harsh chemicals or abrasive materials.

- **Dust Protection:** Keep the camera in a clean, dust-free environment when not in use. Consider using a dust cover.
- **Temperature and Humidity:** Operate and store the camera within recommended temperature and humidity ranges to prevent damage to internal components.
- **Firmware Updates:** Periodically check the PTZOptics official website for any available firmware updates. Keeping the firmware updated can improve performance, add new features, and resolve potential issues.

## TROUBLESHOOTING

If you encounter issues with your PTZOptics Move 4K camera, consider the following troubleshooting steps:

- **No Power:** Ensure the power supply is securely connected and the power outlet is functional. If using PoE, verify your network switch provides sufficient power.
- **No Video Output:** Check all video cable connections (HDMI, SDI, USB, Ethernet). Verify the selected resolution and frame rate on the camera's system select dial are compatible with your receiving device.
- **Control Issues:** Ensure the IR remote batteries are fresh and there are no obstructions between the remote and the camera. For network control, verify the camera's IP address and network settings.
- **Image Quality Issues:** Check lighting conditions. Ensure the lens is clean and free from smudges or dust. Adjust white balance and exposure settings as needed.
- **Camera Not Responding:** Try pressing the "RESTORE" button on the back of the camera to reset it to factory defaults. This may resolve software-related glitches.

## SPECIFICATIONS

Feature	Detail
Product Dimensions	5.6 x 6.6 x 6.5 inches
Item Weight	8.33 pounds
ASIN	B0BSMM3VM3
Item model number	PT30X-4K-GY-G3_ED1_1
Batteries	2 AA batteries required. (included)
Date First Available	January 18, 2023
Manufacturer	PTZOptics
Brand	PTZOptics
Photo Sensor Technology	CMOS
Video Capture Resolution	4K
Maximum Focal Length	20 Millimeters
Flash Memory Type	SD
Video Capture Format	MP4
Supported Audio Format	MP3, WAV, AAC





Screen Size	1.8 Inches
Connectivity Technology	HDMI, USB
Color	Gray



## WARRANTY AND SUPPORT

For detailed warranty information, technical support, and additional resources, please visit the official PTZOptics website or refer to the documentation included with your product. You may also find helpful information and protection plans available on the [PTZOptics Store on Amazon](#).

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### Related Documents - PT30X-4K-GY-G3\_EDI\_1

	<p><a href="#">PTZOptics 30X Move 4K Camera User Manual</a></p> <p>Comprehensive user manual for the PTZOptics 30X Move 4K camera, covering installation, operation, features like 4K video, NDI HX, auto-tracking, and technical specifications. Essential guide for professional video production and conferencing.</p>
	<p><a href="#">PTZOptics Move SE: Quick Start Guide for Video Production Cameras</a></p> <p>A comprehensive quick start guide for the PTZOptics Move SE series of cameras, covering setup, connection, configuration, streaming, and control options. Includes details on NDI integration, web UI access, IR remote functions, and auto-tracking.</p>
	<p><a href="#">PTZOptics 30x SDI (Gen 2) User Manual</a></p> <p>Comprehensive user manual for the PTZOptics 30x SDI (Gen 2) camera, detailing installation, operation, features, technical specifications, and troubleshooting for professional video conferencing and broadcasting.</p>
	<p><a href="#">PTZOptics 30x NDI HX User Manual - Professional HD Video Conferencing Camera</a></p> <p>This user manual provides comprehensive guidance for the PTZOptics 30x NDI HX HD professional video conferencing camera, covering installation, operation, features, specifications, and troubleshooting for seamless integration into broadcast and video production workflows.</p>

	<p><a href="#">PTZOptics 30X SDI Broadcast &amp; Conference Camera - Features, Specs, and Controls</a></p> <p>Detailed information on the PTZOptics 30X-SDI camera, including key features, technical specifications, rear board connectors, electrical index, physical dimensions, and a comprehensive guide to its remote control functions and buttons.</p>
	<p><a href="#">PTZOptics Cameras and Video Production Equipment Datasheets</a></p> <p>Comprehensive datasheets and specifications for PTZOptics 12X, 20X, and 30X SDI cameras, along with PC recommendations, Magewell converters, HuddleCamHD controllers, and Shure audio interfaces for professional video production.</p>