Vaddio RoboSHOT IW Smart Glass PTZ Camera

Vaddio RoboSHOT IW Smart Glass PTZ Camera User Manual

Model: RoboSHOT IW Smart Glass PTZ Camera

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Vaddio RoboSHOT IW Smart Glass PTZ Camera. Please read this manual thoroughly before using the product to ensure proper functionality and to prevent damage.

The RoboSHOT IW Smart Glass PTZ Camera is designed for professional video conferencing and surveillance applications, offering advanced PTZ capabilities with the unique feature of a smart glass panel for privacy and aesthetics.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- RoboSHOT IW Smart Glass PTZ Camera Unit
- Mounting Hardware (screws, anchors)
- Quick Start Guide
- This User Manual

Figure 1: Front view of the RoboSHOT IW Smart Glass PTZ Camera, showcasing its sleek black frame and the opaque smart glass panel.

3. SAFETY INFORMATION

Always adhere to the following safety guidelines to ensure safe operation and prevent damage to the device or injury to personnel:

- Do not expose the device to moisture, rain, or extreme temperatures.
- Ensure proper ventilation around the camera to prevent overheating.
- Only use power sources and cables specified by Vaddio.
- Do not attempt to disassemble, modify, or repair the device. Refer all servicing to qualified service personnel.
- Keep the camera away from strong magnetic fields.

4. SETUP

4.1 Mounting the Camera

The RoboSHOT IW Smart Glass PTZ Camera is designed for indoor wall mounting. Select a location that provides the desired field of view and is structurally sound to support the camera's weight.

1. Carefully unpack the camera and inspect for any shipping damage.
2. Using the provided mounting template (if applicable), mark the drilling points on the wall.
3. Drill pilot holes at the marked locations.
4. Secure the camera's mounting plate or the camera directly to the wall using the supplied screws and anchors. Ensure it is level and firmly attached.

Figure 2: Rear view of the RoboSHOT IW Smart Glass PTZ Camera, illustrating the HDBaseT port and other potential connections.

4.2 Connecting the Camera

The camera utilizes HDBaseT for connectivity, allowing for flexible power and video transmission options.

1. **PoE+ Connection:** For IP streaming and power, connect a standard Ethernet cable from a PoE+ enabled network switch or a Midspan Power Injector to the camera's HDBaseT port. This single cable provides both power and network data.

2. **HDBaseT Video Switch** / **OneLINK System:** If using an HDBaseT video switch or a Vaddio OneLINK extension system for alternative video outputs (e.g., HD-SDI, HDMI, USB 3.0), connect the camera's HDBaseT port to the corresponding input on the switch or OneLINK receiver. Refer to the specific switch or OneLINK system's manual for detailed connection instructions.

3. Ensure all cables are securely connected and routed to prevent strain or damage.

5. OPERATING INSTRUCTIONS

5.1 Initial Power-On and Smart Glass Activation

Once the camera receives power, it will initiate its startup sequence. The smart glass panel, which is opaque when off, will become transparent, revealing the PTZ camera lens.

Figure 3: The RoboSHOT IW Smart Glass PTZ Camera with its smart glass panel activated, showcasing the integrated PTZ camera ready for operation.

5.2 Camera Control

The camera supports control via Wi-Fi using a compatible controller (such as an Iris controller) or a remote control. It features full PTZ (Pan-Tilt-Zoom) functionality and optical zoom.

- **Pan/Tilt:** Use the directional controls on your chosen controller or software interface to adjust the camera's horizontal (pan) and vertical (tilt) orientation to frame your desired view.
- **Zoom:** Utilize the zoom controls to optically zoom in or out. The camera supports high-definition video capture at 1080p and 720p resolutions.
- **Smart Glass Control:** The smart glass panel can be toggled between opaque and transparent states, providing privacy when the camera is not actively in use. Refer to your control system's documentation for specific smart glass control commands.

5.3 Video Streaming and Recording

For IP streaming, the camera can be configured via its web interface or compatible control software. It supports MPEG-4 video capture format.

- Access the camera's IP address through your network to reach its web interface.
- Log in to configure streaming parameters, including resolution, frame rates, and network settings.
- Integrate the camera with your preferred video management systems (VMS) or recording software for live monitoring and archival.

6. Maintenance

Regular maintenance helps ensure the longevity and optimal performance of your RoboSHOT IW Smart Glass PTZ Camera.

- **Cleaning:** Use a soft, dry, lint-free cloth to gently clean the exterior of the camera and the smart glass panel. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or the smart glass.
- **Firmware Updates:** Periodically check the official Vaddio website (www.vaddio.com) for available firmware updates. Keeping the firmware up-to-date can provide performance enhancements, new features, and bug fixes. Follow the instructions provided with the firmware update carefully.
- **Environmental Conditions:** Ensure the camera continues to operate within its specified temperature and humidity ranges to prevent internal damage.

7. Troubleshooting

Problem	Possible Cause	Solution
No Power / Camera Not Turning On	Loose power connection; PoE+ not active; faulty cable.	Check all cable connections. Verify PoE+ switch/injector is providing power. Try a different Ethernet cable.
No Video Output	Incorrect HDBaseT connection; network configuration issue (for IP streaming); display problem.	Ensure HDBaseT cable is correctly connected. Verify network settings and IP address. Test with a different display or input.
Camera Not Responding to Controls	Controller not paired; Wi-Fi interference; camera frozen.	Ensure controller is properly paired and within range. Reduce Wi-Fi interference. Power cycle the camera.
Smart Glass Not Clearing / Remaining Opaque	Power issue; control signal issue; internal fault.	Verify stable power supply. Check control commands. If problem persists, contact Vaddio support.
Poor Video Quality	Insufficient lighting; incorrect resolution settings; dirty lens.	Ensure adequate lighting. Adjust resolution settings. Clean the camera lens and smart glass.

8. Specifications

Feature	Detail
Model	RoboSHOT IW Smart Glass PTZ Camera
Connectivity Protocol	Wi-Fi, Wired (HDBaseT)
Controller Type	Iris, Remote
Mounting Type	Wall Mount
Video Capture Resolution	1080p, 720p
Color	Black
Wireless Communication Technology	Wi-Fi

Feature	Detail
Form Factor	Dome
Material	Glass
Item Weight	0.96 ounces (approx. 0.06 lbs)
Low Light Technology	Night Color
Zoom Type	Optical Zoom
Alert Type	Motion Only
Video Capture Format	MPEG-4
Photo Sensor Technology	CMOS
International Protection Rating	IP54, IP67
Power Source	AC/DC, PoE+
Indoor/Outdoor Usage	Indoor
Special Feature	PTZ Technology, Smart Glass
UPC	840077504601

9. WARRANTY AND SUPPORT

Vaddio products are designed for reliability and performance. For specific warranty terms and conditions applicable to your RoboSHOT IW Smart Glass PTZ Camera, please refer to the official Vaddio website or the warranty card included with your product.

For technical assistance, troubleshooting, or service inquiries, please contact Vaddio Customer Support. When contacting support, please have your product model number (RoboSHOT IW Smart Glass PTZ Camera) and serial number readily available.

- **Vaddio Official Website:** www.vaddio.com
- **Support Contact:** Visit the Vaddio website's support section for regional phone numbers, email contacts, and online resources.

Related Documents

Vaddio DocCAM 4K HDBT Ceiling-Mounted Document Camera Installation Guide
This installation guide provides comprehensive instructions for setting up the Vaddio DocCAM 4K HDBT ceiling-mounted document camera. It covers unpacking, features, installation procedures for both suspended tile and hard ceilings, power options, basic connection diagrams, laser safety, status light indicators, and warranty information.

[Vaddio IR Remote Master User Guide - Installation and Operation](#)
User guide for the Vaddio IR Remote Master, covering installation, operation, quick reference, and preset management. Includes model 998-2105-000 details.

[Vaddio RF Remote Commander User Guide](#)
User guide for the Vaddio RF Remote Commander, detailing installation, pairing, and operation. Learn how to control camera functions like pan, tilt, zoom, and presets, and how to access the camera's IP address.

[Vaddio EasyIP CeilingMIC/AMP D Complete Manual: Installation and Operation](#)
Detailed guide for the Vaddio EasyIP CeilingMIC/AMP D network-connected amplifier and overhead microphone. Covers installation, Dante integration, audio setup, fine-tuning, and troubleshooting for professional AV environments.

Documents - Vaddio – RoboSHOT IW Smart Glass PTZ Camera

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MAKING AV TECHNOLOGY ADA COMPLIANT An eBook prepared by James Careless for AV Technology magazine ... ctivity to point of use in the smallest form factor available in overfloor raceway systems. Cameras RoboSHOT IW Smart Glass PTZ Camera RoboSHOT IW In-Wall is semi-flush-mounted, making it compliant ...
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