IFS02-D12-OIA4

Illustra Flex Gen4 2MP Mini-Dome Camera IFS02-D12-OIA4

Instruction Manual

1. INTRODUCTION

The Illustra Flex Gen4 2MP Mini-Dome Camera (IFS02-D12-OIA4) is designed for high-quality outdoor surveillance. This compact camera provides clear 1080p video and is built to withstand challenging environmental conditions, making it suitable for various security applications.

Key Features:

- **2MP Resolution:** Delivers crystal-clear 1080p video at up to 30 frames per second.
- **Motorized Varifocal Lens:** Features an adjustable 2.7-13.5mm lens for flexible field-of-view options.
- **True Day/Night Operation:** Ensures superior performance in low-light and nighttime conditions.
- **Wide Dynamic Range (100dB):** Enhances clarity in environments with both bright and dark areas.
- **Weather and Vandal Resistant:** IP66/IP67-rated for outdoor use and IK10-rated for impact protection.
- **Edge-Ready VMS Software:** Pre-loaded with exacqVision for streamlined video management.
- **Power Options:** Supports Power over Ethernet (PoE IEEE 802.3af Class 3) and 24VAC for installation flexibility.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- Illustra Flex Gen4 2MP Mini-Dome Camera
- Installation Hardware

3. SAFETY INFORMATION

Please read and understand all safety instructions before installing and operating the camera. Failure to follow these instructions may result in injury or damage to the device.

- Ensure power is disconnected before installation or maintenance.
- Use only approved power sources (PoE or 24VAC) as specified.
- Installation should be performed by qualified personnel in accordance with local electrical codes.
- Do not expose the camera to extreme temperatures outside its operating range.
- Avoid direct exposure to strong light sources, which may damage the image sensor.

4. SETUP

4.1 Mounting

The Illustra Flex Gen4 Mini-Dome Camera is designed for wall mount installation. Ensure the mounting surface is strong enough to support the camera's weight and withstand environmental factors.

Figure 1: Illustra Flex Gen4 2MP Mini-Dome Camera, showcasing its compact design suitable for outdoor surveillance.

4.2 Power and Connectivity

The camera supports two power options:

- **Power over Ethernet (PoE):** Connect an Ethernet cable from a PoE-enabled switch or injector to the camera's network port. This provides both power and data connectivity.
- **24VAC:** If PoE is not used, connect a 24VAC power supply to the camera's power input terminals.

For network connectivity, use a standard Ethernet cable to connect the camera to your network infrastructure. The camera is a wired device and requires an Ethernet connection for data transmission.

4.3 Initial Configuration

After physical installation and power-up, the camera can be accessed via your network. Refer to the exacqVision Edge Ready VMS software documentation for detailed instructions on discovering and configuring the camera on your surveillance system. The camera is compatible with Digital Video Recorders (DVRs).

5. OPERATING INSTRUCTIONS

5.1 Video Monitoring

The camera provides 1080p video resolution at up to 30 frames per second. Access the live feed and recorded footage through your exacqVision VMS software or compatible Digital Video Recorder.

5.2 Lens Adjustment

The motorized varifocal lens (2.7-13.5mm) allows for remote adjustment of the field of view. Use the VMS software interface to zoom in or out and focus the camera to achieve the desired coverage area.

5.3 Day/Night and WDR Functions

The camera automatically switches between day and night modes to optimize image quality in varying light conditions. Its True Day/Night operation ensures clear images even in very low light. The 100dB Wide Dynamic Range (WDR) feature helps to balance exposure in scenes with both very bright and very dark areas, preventing overexposure or underexposure.

5.4 Special Features

The camera includes HD Resolution, Night Vision, and Tamper Detection capabilities. Configure these features within your VMS software to enhance your surveillance system's effectiveness.

6. MAINTENANCE

6.1 Cleaning

To maintain optimal image quality, periodically clean the camera's dome cover. Use a soft, clean cloth dampened with water. Avoid abrasive cleaners or solvents that could damage the lens or housing.

6.2 Environmental Protection

The camera is IP66/IP67-rated for weather resistance and IK10-rated for vandal protection. While designed for outdoor use, ensure proper installation to prevent water ingress and physical damage. Regularly inspect the mounting and cabling for any signs of wear or damage.

7. TROUBLESHOOTING

If you encounter issues with your camera, refer to the following common troubleshooting steps:

- **No Power:** Check power connections. If using PoE, ensure the PoE switch/injector is functioning. If using 24VAC, verify the power supply is connected and operational.
- **No Video:** Verify network connectivity. Ensure the Ethernet cable is securely connected. Check camera settings within the VMS software.
- **Poor Image Quality:** Clean the camera lens. Adjust the motorized varifocal lens for focus. Check lighting conditions and ensure Day/Night and WDR settings are appropriate for the environment.
- **Camera Not Accessible on Network:** Confirm the camera has a valid IP address. Check network cable integrity. Ensure firewall settings are not blocking communication.

For further assistance, consult the exacqVision VMS documentation or contact technical support.

8. SPECIFICATIONS

Feature	Specification
Model Number	IFS02-D12-OIA4
Resolution	2MP (1080p)
Video Capture Resolution	1080p
Lens Type	Motorized Varifocal (2.7-13.5mm)
Dynamic Range	100dB WDR
Day/Night	True Day/Night
Indoor/Outdoor Usage	Indoor, Outdoor
Weather Resistance	IP66/IP67-rated
Vandal Resistance	IK10-rated
Power Source	PoE (IEEE 802.3af Class 3), 24VAC
Connectivity Technology	Wired (Ethernet)
Compatible Devices	Digital Video Recorder
Mounting Type	Wall Mount
Product Dimensions	5.31 x 5.31 x 6.3 inches
Manufacturer	ExacqVision

9. WARRANTY AND SUPPORT

This product comes with a standard manufacturer's warranty. Please refer to the warranty card included with your purchase or visit the manufacturer's website for detailed warranty terms and conditions.

For technical support, product inquiries, or warranty claims, please contact your vendor or the manufacturer directly. Keep your purchase receipt and product model number (IFS02-D12-OIA4) readily available when seeking support.