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## IMPORX 600X

# IMPORX 600X 4K 8MP Auto Tracking PTZ IP Camera User Manual

Model: 600X

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your IMPORX 600X 4K 8MP Auto Tracking PTZ IP Camera. Please read this manual thoroughly before using the product to ensure proper setup and functionality. Retain this manual for future reference.



Figure 1.1: IMPORX 600X 4K 8MP Auto Tracking PTZ IP Camera

The IMPORX 600X is a high-performance 4K (3840x2160P) 8-megapixel PTZ (Pan-Tilt-Zoom) IP camera featuring 60X optical zoom, auto-tracking capabilities, and advanced environmental resilience. It is designed for outdoor surveillance, offering clear day and night vision, and includes features like a fan heater and wiper for reliable operation in various weather conditions.

## 2. PRODUCT FEATURES

- **High Resolution Imaging:** 4K Full HD (3840x2160P) with an 8-megapixel 1/2.8" SONY IMX415 CMOS Sensor for clear, real-color images.
- **Powerful Zoom:** 60X optical zoom and 10X digital zoom for detailed surveillance over long distances.
- **Auto Tracking:** Automatically tracks moving objects or individuals, adjusting zoom and focus to maintain clarity.

- **Pan-Tilt-Zoom (PTZ) Functionality:** 360° endless pan and 90° tilt for comprehensive area coverage.
- **Extended Night Vision:** Infrared (IR) distance up to 500ft for effective monitoring in low-light conditions.
- **Local Storage:** Built-in micro SD card slot supporting up to 64GB for image and video storage.
- **Environmental Resilience:** Integrated fan heater and wiper system for operation in temperatures from -22°F to 149°F (-30°C to 65°C), fog removal function.
- **Advanced Surveillance:** Supports 256 preset positions, 8 patrol routes, and motion detection with alarm, capture, and email notification.

**4K 8MP 600X**  
**Auto Tracking PTZ Camera**

Resolution 3840 \* 2160  
 Zoom: 60X Optical Zoom  
 10X Digital Zoom

Rainy    Snowy    Thunder

**4K**  
 ULTRAHD

Figure 2.1: Key features of the IMPORX 600X Camera

### 3. PACKAGE CONTENTS

Verify that all items are present and in good condition upon opening the package. If any items are missing or damaged, contact customer support.

- IMPORX 600X PTZ IP Camera Unit
- Mounting Bracket and Hardware
- Power Adapter (AC/DC)
- User Manual (may include a CD with additional software/drivers)
- Network Cable (optional, depending on package)

### 4. SETUP AND INSTALLATION

#### 4.1 Physical Installation

The camera is designed for wall mounting. Ensure the mounting surface is strong enough to support the camera's weight (approximately 8 pounds or 3.6 kg) and withstand environmental conditions.

1. Choose a suitable location for optimal surveillance coverage, considering power and network cable access.
2. Securely attach the mounting bracket to the wall using the provided hardware.
3. Mount the camera unit onto the bracket, ensuring it is firmly locked in place.

## 4.2 Power Connection

Connect the provided AC/DC power adapter to the camera's power input. The camera operates on 12 Volts and consumes approximately 36 watts.

## 4.3 Network Connection

The camera supports Wi-Fi connectivity and P2P (Peer-to-Peer) for easy remote access. For initial setup or stable connection, an Ethernet cable can also be used.

- **Wired Connection:** Connect an Ethernet cable from the camera to your network router or switch.
- **Wireless Connection:** Follow the instructions in the Videolink app (Section 6.1) to connect the camera to your Wi-Fi network.

# 5. OPERATING INSTRUCTIONS

## 5.1 Pan-Tilt-Zoom (PTZ) Control

The camera offers 360° endless pan and 90° tilt movement. Control can be performed via the Videolink mobile app or compatible desktop software. The camera also supports displaying physical absolute coordinates for precise positioning.

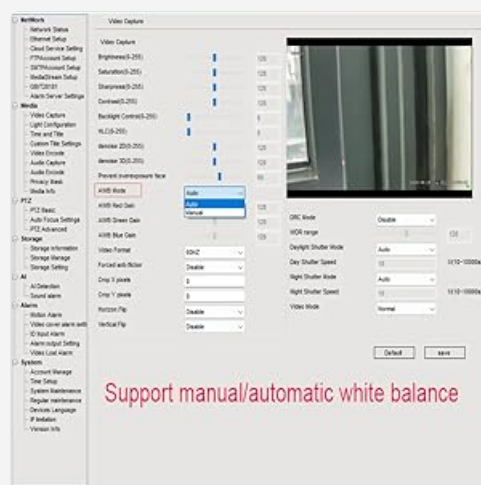


Figure 5.1: Pan and Tilt coordinate display

## 5.2 Auto Tracking

The auto-tracking feature allows the camera to automatically follow moving objects or individuals within its field of view. When motion is detected, the camera adjusts its pan, tilt, zoom, and focus to keep the subject centered and clear.

# Smart Tracking

auto tracking



Figure 5.2: Auto Tracking in action

# HUMANOID RECOGNITION

When camera detects the human shape, it will auto track the movement.



Figure 5.3: Humanoid Recognition for precise tracking

## 5.3 Motion Detection and Alarms

Configure motion detection zones and sensitivity through the camera's software. Upon detection, the camera can trigger an alarm, capture images, record video, and send email notifications.



Figure 5.4: Motion Detection with alarm notification

## 5.4 SD Card Storage

Insert a micro SD card (up to 64GB) into the designated slot for local storage of recordings and snapshots. Configure recording settings (e.g., continuous, motion-triggered, scheduled) via the camera's interface.

## 5.5 On-Screen Display (OSD) Menu

The camera features a full-screen OSD menu for direct configuration of various settings, including camera parameters, network settings, and PTZ functions. Access the OSD menu via compatible software.



Figure 5.5: OSD Menu structure

## 5.6 Image Configuration

Adjust image settings such as brightness, saturation, sharpness, backlight compensation, and white balance (manual/automatic) to optimize video quality for your environment.

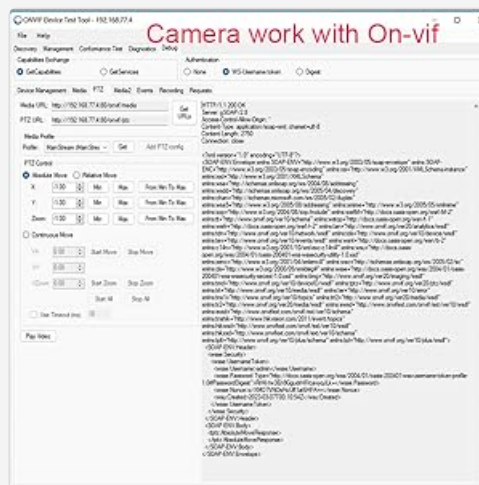


Figure 5.6: Image configuration settings

## 6. SOFTWARE AND APPLICATION

### 6.1 Videolink Mobile App

The Videolink app provides remote viewing, control, and configuration of your camera from a smartphone or tablet. It supports P2P for easy setup.

- Download the Videolink app by scanning the QR code below or visiting <http://app.icamra.com/app/downloads/videolink/index.html>.
- Follow the in-app instructions to add your camera and configure settings.



Figure 6.1: Videolink App for remote access

## 6.2 ONVIF Compatibility

The camera is ONVIF compliant, allowing integration with various third-party Network Video Recorders (NVRs) and video management software (VMS).

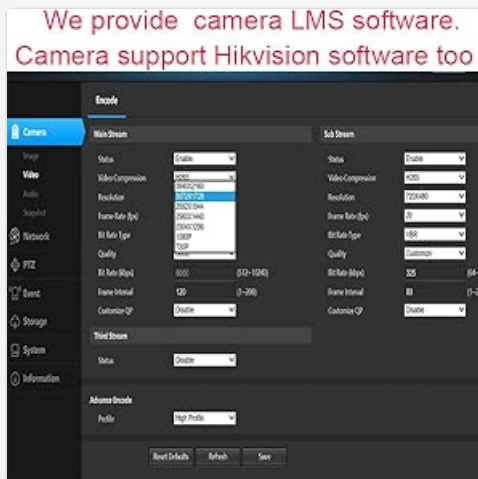


Figure 6.2: ONVIF Device Test Tool example

## 6.3 Software Development Kit (SDK)

An SDK is available for developers who wish to integrate the camera's functionalities into custom applications. Refer to the provided CD or contact support for SDK access.

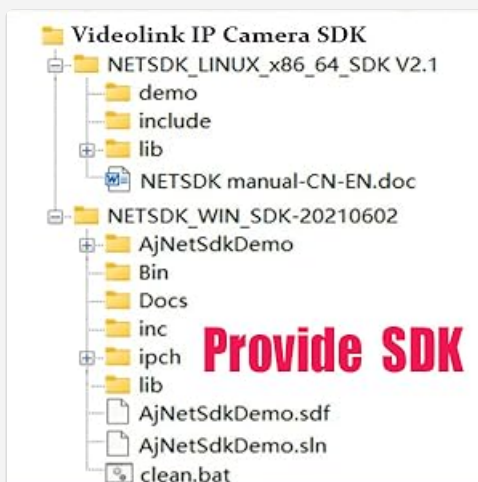


Figure 6.3: SDK directory structure

## 6.4 Hikvision Software Compatibility

The camera supports integration with Hikvision software, providing additional flexibility for existing surveillance systems.



Figure 6.4: Encoding settings for Hikvision compatibility

## 7. MAINTENANCE

### 7.1 Wiper Function

The integrated wiper helps maintain a clear view by removing dust, water droplets, and debris from the camera lens. Activate the wiper via the OSD menu or compatible software.



Figure 7.1: Wiper function for lens cleaning

### 7.2 Automatic Heater and Fan System

The camera is equipped with an automatic heater and fan system to regulate its internal temperature. The heater activates in cold conditions (below -22°F / -30°C) and the fan activates in hot conditions (above 149°F / 65°C) to ensure optimal performance and longevity.



Figure 7.2: Camera's automatic heating system in cold environments

### 7.3 Fog Removal Function

The camera includes a fog removal function to improve image clarity in foggy conditions. This can be activated through the camera's control interface.

### 7.4 General Cleaning

Periodically inspect the camera housing for dirt or debris. Clean the exterior with a soft, damp cloth. Avoid using harsh chemicals or abrasive materials that could damage the finish or lens.

## 8. TROUBLESHOOTING

- **No Power:** Ensure the power adapter is securely connected to both the camera and a working power outlet. Verify the power source is active.
- **No Video Feed:** Check network connectivity (wired or Wi-Fi). Ensure the camera is properly configured in the Videolink app or other viewing software. Verify IP address settings if using a wired connection.
- **Poor Image Quality:** Clean the camera lens using the wiper function or a soft cloth. Adjust image settings (brightness, contrast, white balance) via the OSD menu or software. Ensure sufficient lighting for night vision.
- **Auto Tracking Not Working:** Ensure the feature is enabled in the camera settings. Verify there are no obstructions in the camera's view. Adjust motion detection sensitivity if necessary.
- **SD Card Not Recording:** Check if the SD card is properly inserted and formatted. Verify recording schedules and motion detection settings. Ensure the SD card is not full.

For further assistance, refer to the detailed troubleshooting guide on the provided CD or contact customer support.

## 9. SPECIFICATIONS

Feature	Specification
Model	600X
Resolution	4K (3840x2160P), 8 Megapixel
Image Sensor	1/2.8" SONY IMX415 CMOS

Feature	Specification
Optical Zoom	60X
Digital Zoom	10X
Pan Range	360° Endless
Tilt Range	90°
Night Vision (IR Distance)	Up to 500ft
Storage	Micro SD Card (up to 64GB)
Connectivity	Wi-Fi, P2P, Ethernet (ONVIF compatible)
Power Source	AC/DC, 12 Volts
Wattage	36 watts
Operating Temperature	-22°F to 149°F (-30°C to 65°C)
Material	Metal
Dimensions (L x W x H)	8 x 12 x 8 inches (approx.)
Weight	8 pounds (approx.)
International Protection Rating	IP20 (Note: Product description implies outdoor use, but IP20 is typically indoor. Please verify with manufacturer for outdoor rating.)

## 10. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your IMPORX 600X camera, please contact IMPORX customer service.

- **Email Support:** [imporx@qq.com](mailto:imporx@qq.com)
- Refer to the product packaging or official IMPORX website for the most current support contact details and warranty terms.

