

SVPRO SV-USB100W03-DL36-24

SVPRO USB Security Camera (Model SV-USB100W03-DL36-24) Instruction Manual

Your guide to setting up, operating, and maintaining your SVPRO 720P USB Security Camera.

1. INTRODUCTION

The SVPRO USB Security Camera is designed for reliable surveillance, offering 720P HD resolution with day and night vision capabilities. Its waterproof and vandal-proof dome design makes it suitable for both indoor and outdoor environments. This camera features a simple USB plug-and-play connection, compatible with various operating systems and devices. Key features include:

- **HD 720P Resolution:** Captures clear images and videos at 1280x720 resolution with a 30fps frame rate.
- **Infrared Night Vision:** Equipped with 24 IR LEDs and an IR-cut filter for automatic day/night mode switching, providing clear images in low light or complete darkness.
- **Waterproof Design:** Durable metal casing with IP66 weatherproof rating, suitable for outdoor installation.
- **USB Plug & Play:** Connects directly via USB Type-A port, requiring no additional drivers for Windows, Linux, macOS, and Android systems.
- **Wide Compatibility:** Works with most video programs and monitoring software such as ISpy, ContaCam, ManyCam, Yawcam, Webcam Viewer, and IP Camera Viewer.

2. WHAT'S IN THE BOX

Upon unpacking, please ensure all items are present and in good condition:

- SVPRO USB Security Camera body with 5-meter USB cable
- Mounting accessories (screws and wall anchors)

3. SPECIFICATIONS

Feature	Detail
Model Number	SV-USB100W03-DL36-24

Feature	Detail
Resolution	720P (1280x720)
Sensor	OV9712 CMOS
Frame Rate	Up to 30fps at 720P
Connectivity	Wired USB 2.0 (Type A)
Night Vision	24 IR LEDs, IR-Cut filter
Indoor/Outdoor Use	Yes, waterproof (IP66)
Power Source	USB (5V)
Viewing Angle	98 Degrees
Compatible OS	Windows, Linux, macOS, Android
Enclosure Material	Aluminum
Cable Length	5 meters
Dimensions	3.54 x 3.54 x 2.87 inches

4. SETUP

Setting up your SVPRO USB Security Camera is a straightforward process due to its plug-and-play design.

4.1 Physical Installation

The camera can be mounted on a ceiling or wall, or placed on a flat surface. The dome design allows for 180-degree adjustment to achieve the desired viewing angle.

1. **Disassemble the Base:** Gently twist the camera body counter-clockwise from its base to separate the two parts.
2. **Mount the Base:** Position the base in your desired location (ceiling or wall). Use the provided screws and wall anchors to securely fix the base. Ensure the USB cable can reach your computer or power source.
3. **Reattach the Camera:** Align the camera body with the mounted base and twist clockwise until it locks securely.
4. **Adjust Angle:** Adjust the camera lens to your preferred viewing angle. The camera offers 180-degree flexibility.

Easy to Install

Just twist the base and release the ring,
fix the base with screws, then tighten back



Figure 4.1: Easy installation steps for the SVPRO USB Security Camera.

Flexible Installation & Free Adjustment



Figure 4.2: Flexible installation options and 180-degree adjustment.

Ready for Anywhere

Indoors & Outdoors



Figure 4.3: The camera's IP66 weatherproof design allows for versatile indoor and outdoor placement.

4.2 Connecting to a Device

The camera connects directly to your computer or compatible device via its integrated 5-meter USB cable.

1. Locate an available USB Type-A port on your desktop, laptop, Raspberry Pi, or other compatible device.
2. Plug the USB cable from the camera into the USB port.
3. The camera is plug-and-play and typically does not require specific driver installation. Your operating system should recognize it as a standard webcam or video input device.

UVC USB Security Camera



Linux
2.6.24 or
above



Windows
XP SP2/7/8/10
or above



Android
Version 5 or
above



MAC OS
Version 10.6 or
above



Figure 4.4: The UVC USB Security Camera is compatible with various operating systems and devices.

5. OPERATING THE CAMERA

Once connected, the SVPRO USB Security Camera functions as a standard video input device. You can access its feed using various software applications.

5.1 Accessing the Camera Feed

To view the camera feed, use any compatible video program or monitoring software. Examples include:

- **Windows:** Built-in Camera app, I Spy, ContaCam, ManyCam, Yawcam, Webcam Viewer, IP Camera Viewer.
- **Linux:** VLC, Cheese, guvcview.
- **macOS:** Photo Booth, QuickTime Player.
- **Android:** Various third-party USB camera apps.

Open your preferred software and select the SVPRO USB Camera as the video input device.

5.2 Day and Night Vision

The camera automatically switches between day (color) and night (black and white infrared) modes based on ambient light

conditions. The 24 built-in IR LEDs activate automatically when light levels are too low, providing clear surveillance in darkness.

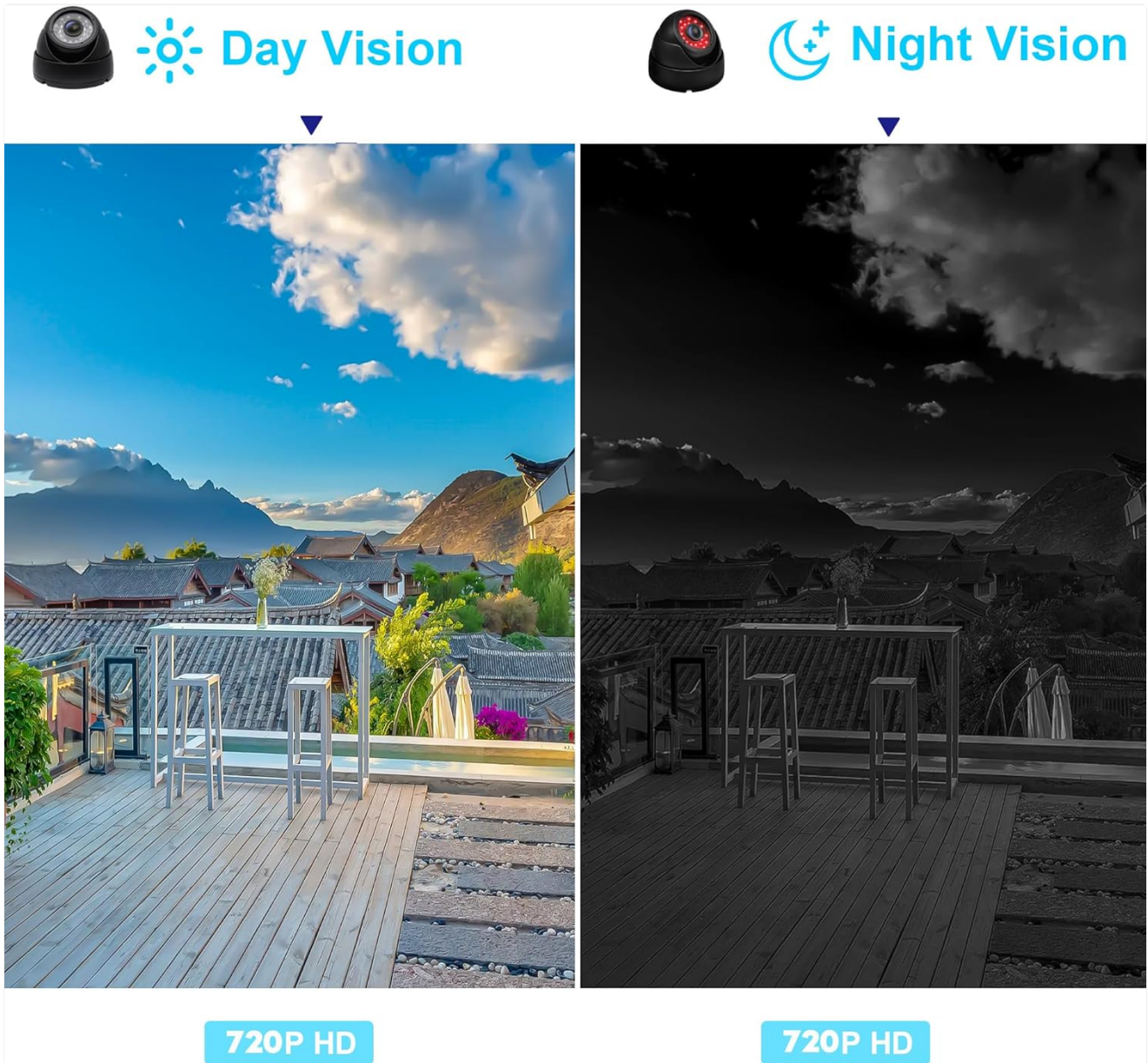


Figure 5.1: Comparison of day and night vision capabilities.



Figure 5.2: The camera provides up to 25 meters of clear night vision.

Infrared Night Vision

IR-CUT&IR LED
The nights at a glance.



Figure 5.3: Infrared night vision ensures clear images even in complete darkness.



Figure 5.4: The camera's IR LEDs activate automatically for night vision.

Your browser does not support the video tag.

Video 5.1: Demonstration of the Svpro USB Security Camera's night vision capabilities, showing automatic IR LED activation in low light conditions.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your SVPRO USB Security Camera.

- **Cleaning:** Use a soft, dry cloth to clean the camera lens and body. Avoid abrasive cleaners or solvents that could damage the surface or lens coating.
- **Cable Inspection:** Periodically check the USB cable for any signs of wear, cuts, or damage. Replace if necessary to prevent connectivity issues.
- **Firmware Updates:** While this camera is generally plug-and-play, check the SVPRO official website periodically for any available firmware updates that might improve performance or add features.
- **Environmental Protection:** Although waterproof, avoid submerging the camera in water or exposing it to extreme temperatures beyond its operating range.

7. TROUBLESHOOTING

If you encounter issues with your SVPRO USB Security Camera, refer to the following common problems and solutions:

Problem	Possible Cause & Solution
Camera not detected by computer.	<ul style="list-style-type: none">◦ USB Port Issue: Try plugging the camera into a different USB port on your computer.◦ Cable Damage: Inspect the USB cable for damage. If damaged, the camera may not function.◦ Operating System Recognition: Ensure your operating system (Windows, Linux, macOS, Android) is up to date and has the necessary generic USB video device drivers. Restart your computer.◦ Software Conflict: Close other applications that might be using a webcam.
No image or black screen in software.	<ul style="list-style-type: none">◦ Software Selection: Verify that the correct camera (SVPRO USB Camera) is selected as the video input device within your chosen software.◦ Privacy Settings: Check your operating system's privacy settings to ensure applications are allowed to access the camera.◦ USB Connection: Re-plug the USB cable to ensure a secure connection.
Poor image quality (blurry, grainy).	<ul style="list-style-type: none">◦ Lens Cleanliness: Clean the camera lens with a soft, dry cloth.◦ Lighting Conditions: Ensure adequate lighting during the day. For night vision, confirm IR LEDs are activating automatically.◦ Software Settings: Check if your viewing software has resolution or quality settings that might be set too low.
Night vision not activating or poor.	<ul style="list-style-type: none">◦ Ambient Light: Ensure the area is dark enough for the IR LEDs to activate automatically.◦ IR LED Obstruction: Check if anything is blocking the IR LEDs on the camera.◦ Power Supply: Ensure the USB port provides sufficient power. Try a different USB port or a powered USB hub if available.
Camera gets warm during operation.	<p>It is normal for the camera to generate some heat during continuous operation. If it becomes excessively hot or emits unusual odors, disconnect it immediately and contact support.</p>

8. WARRANTY AND SUPPORT

SVPRO products typically come with a standard manufacturer's warranty. Please refer to the warranty card included with your purchase or visit the official SVPRO website for detailed warranty terms and conditions.

For technical support, troubleshooting assistance, or inquiries regarding your product, please contact SVPRO customer service through their official website or the contact information provided with your purchase. When contacting support, please have your product model number (SV-USB100W03-DL36-24) and purchase details ready.