

## SVPRO SV-USB4K02AF-KL100W

# SVPRO 4K Autofocus USB Camera User Manual

Model: SV-USB4K02AF-KL100W

## 1. INTRODUCTION

This manual provides instructions for the SVPRO 4K Autofocus USB Camera, Model SV-USB4K02AF-KL100W. This camera is designed for various applications including industrial vision, online classes, video conferencing, and streaming, offering 4K Ultra High Definition video capture with autofocus capabilities and integrated lighting.

## 2. PRODUCT OVERVIEW

### Key Features

- **Sony IMX415 Image Sensor:** Equipped with a high-quality Sony IMX415 image sensor, providing 4K Ultra High Definition video.
- **4K UHD Resolution:** Captures video at 3840x2160P resolution with a frame rate of 30fps (MJPEG), delivering clear and detailed images.
- **Fast Autofocus:** Ensures the camera maintains focus on the subject automatically, providing clear and sharp images.
- **Integrated LED Light:** Features 8 white LED lights for illumination in low-light conditions. The LED light can be manually controlled.
- **100° Wide Angle Lens:** Provides a wide field of view (94.5 degrees FOV) with minimal distortion.
- **Plug & Play Connectivity:** Simple USB 2.0 connection for immediate use without driver installation.
- **Wide Compatibility:** Compatible with Windows XP/Vista/7/8/10, Linux (UVC), Mac-OS x 10.4.8 or later, and Android 4.0 or above (UVC).
- **Tripod Mount:** Includes a 1/4-inch screw hole at the bottom for mounting on tripods or other stands.

### Package Contents

- SVPRO 4K Autofocus USB Camera
- USB Cable



Image: The SVPRO 4K Autofocus USB Camera, showing its compact design and integrated USB cable.

# 4K UHD Day/Night Mini USB Camera

3840x2160@30fps, MJPEG / YUY2(YUYV)

Adjustable Parameters: Brightness, Contrast, Hue, Saturation, Sharpness, Gamma, White Balance, Exposure

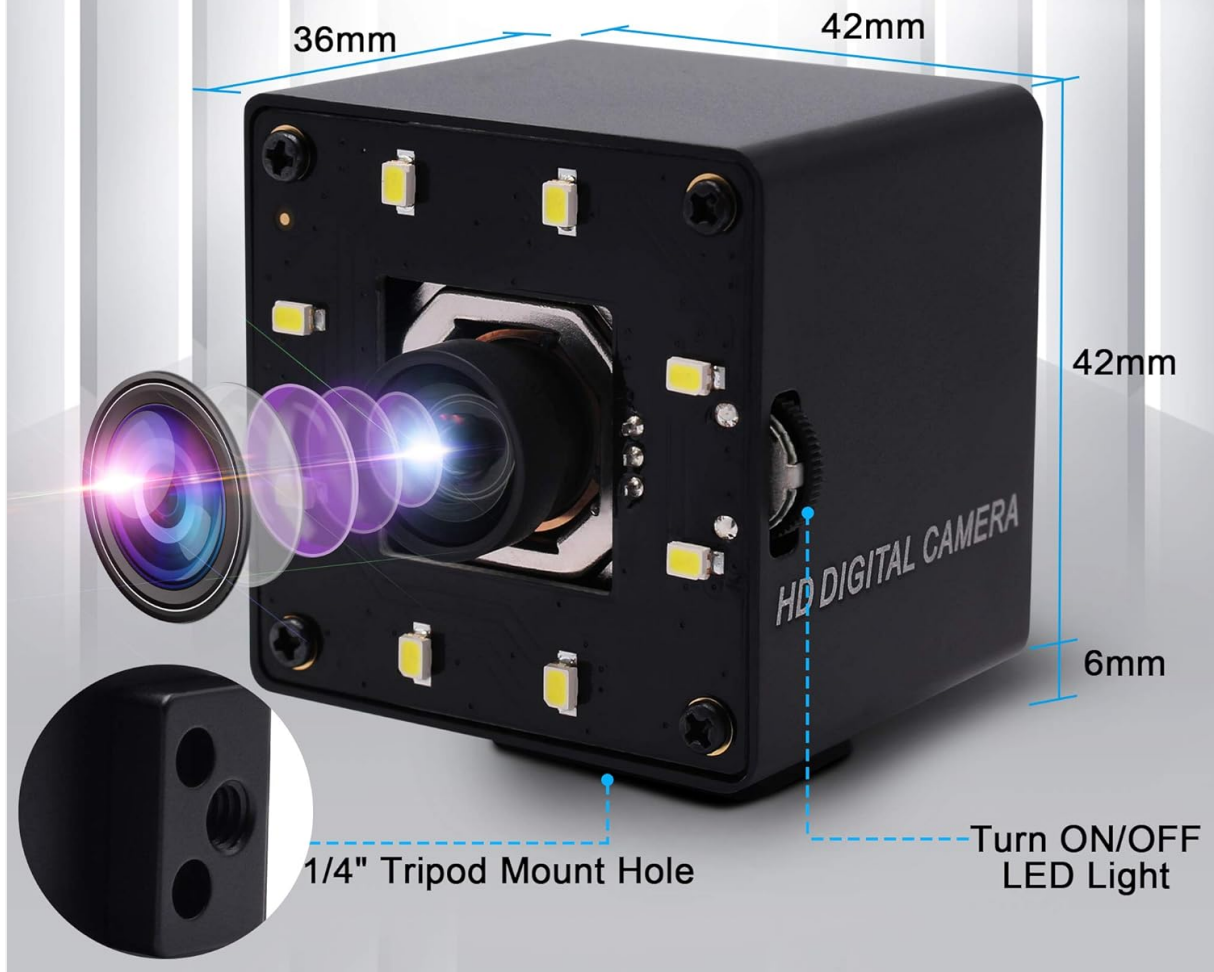


Image: Detailed view of the SVPRO 4K Autofocus USB Camera, highlighting its dimensions (36mm x 42mm x 42mm), the 1/4-inch tripod mount hole, and the LED light control.

## 3. SETUP

### System Requirements

- Operating System: Windows XP/Vista/7/8/10, Linux (with UVC support), Mac-OS x 10.4.8 or later, Android 4.0 or above (with UVC support).
- USB Port: Available USB 2.0 port.

### Connection

1. Connect the USB cable from the camera to an available USB 2.0 port on your computer or compatible device.
2. The camera is plug-and-play and should be automatically recognized by your operating system without requiring additional driver installation.
3. Open your preferred video conferencing, streaming, or recording software. Select the SVPRO camera as your video input device within the software settings.

# WIDE COMPATIBILITY



Image: The SVPRO 4K Autofocus USB Camera demonstrating compatibility with Mac OS, Windows, and Android operating systems, and various applications like Instagram, Messenger, YouTube, Twitter, Zoom, Facetime, PotPlayer, Skype, Android TV, and Xbox One.

## 4. OPERATING INSTRUCTIONS

### Autofocus Function

The camera features a fast and accurate autofocus system that automatically adjusts the lens to keep your subject sharp. This function operates continuously to maintain optimal clarity during use.

### LED Light Control

The integrated 8-piece white LED light can be manually turned on or off. Locate the control switch on the camera body to activate or deactivate the light as needed for improved visibility in dim environments.

### Software Compatibility

The camera is compatible with most standard video communication and recording software. Ensure the camera is selected as the primary video input device within your application's settings. For advanced settings like brightness, contrast, hue, saturation, sharpness, gamma, white balance, and exposure, these can often be adjusted through your operating system's camera settings or within the specific application you are using.

# 4K Ultra High Definition USB

Super Wide Angle  
Fast Autofocus



Play & Play



Max 3840x2160



No Distortion



Mjpeg/YUY2



1/2.8" Sony  
IMX415



Image: The SVPRO 4K Autofocus USB Camera emphasizing its 4K Ultra High Definition, super wide angle, and fast autofocus capabilities.

# 4K ULTRA HD 3840X2160 RESOLUTION 30PFS 1/2.8" SONY IMX415 IMAGE SENSOR



Image: A person using the SVPRO 4K Autofocus USB Camera for a video conference on a desktop computer, illustrating its application for online communication.

## 5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the camera body. For the lens, use a specialized lens cleaning cloth and solution. Avoid abrasive materials or harsh chemicals.
- **Storage:** Store the camera in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Handling:** Avoid dropping the camera or subjecting it to strong impacts, which could damage internal components.

## 6. TROUBLESHOOTING

Issue	Possible Solution
Camera not detected by computer	Ensure the USB cable is securely connected to both the camera and the computer. Try a different USB port or restart your computer. Verify your operating system meets the minimum requirements.

Issue	Possible Solution
No video output	Check if the camera is selected as the video input device in your application settings. Ensure no other application is currently using the camera.
Image is blurry or out of focus	The camera features autofocus. Ensure there are no obstructions in front of the lens. If using software with manual focus options, ensure it is set to autofocus or adjusted correctly.
Poor image quality in low light	Activate the integrated LED light on the camera. Ensure sufficient ambient lighting in your environment. Adjust brightness settings in your software if available.
Color appears incorrect (e.g., too yellow)	Adjust the white balance settings within your operating system's camera controls or your video application. Ensure proper lighting conditions.

## 7. SPECIFICATIONS

Feature	Detail
Brand	SVPRO
Model Number	SV-USB4K02AF-KL100W
Image Sensor	SONY IMX415 (1/2.5") CMOS Sensor
Max Resolution	3840x2160P
Frame Rate (MJPEG)	4K@30fps, 2592x1944@30fps, 2048x1536@30fps, 1920x1080@30fps, etc.
Frame Rate (YUY2)	3840x2160@1fps, 1920x1080@3fps, 1280x720@5fps, 640x480@30fps, etc.
Lens Type	Autofocus, 100° Wide Angle (FOV: 94.5°)
Special Features	Night Vision (8pcs white LED light), Autofocus
Connectivity	USB 2.0
Cable Length	3 meters
Power Supply	USB powered DC 5V/200mA
Product Dimensions	1.42 x 1.65 x 1.89 inches (approx. 36 x 42 x 48 mm)
Item Weight	6.3 ounces
Operating Temperature	0°C to +60°C

## 8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact SVPRO customer support directly. You can find more information and contact details by visiting the official SVPRO store page:

[Visit the SVPRO Store](#)

