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> VIZOLINK 2K 50FPS Webcam W4LS User Manual

VIZOLINK W4LS

VIZOLINK 2K 50FPS Webcam (Model W4LS) User Manual

Your guide to setting up and using your VIZOLINK webcam.

1. INTRODUCTION

Thank you for choosing the VIZOLINK 2K 50FPS Webcam. This manual provides detailed instructions for the installation, operation, and maintenance of your webcam. Please read this manual thoroughly before use to ensure optimal performance and longevity of the product.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- VIZOLINK 2K 50FPS Webcam (Model W4LS)
- Mini Tripod
- User Manual (this document)

3. PRODUCT OVERVIEW

Familiarize yourself with the components of your VIZOLINK webcam.

Clear & Smooth Streaming in 2K 50FPS

Capture every detail with 4MP resolution.



Image: The VIZOLINK 2K 50FPS Webcam, featuring its integrated RGB lighting, lens, and privacy cover.

- **Camera Lens:** Captures video at 2K resolution.
- **RGB/Fill Lights:** Integrated lighting system for enhanced visibility and ambiance.
- **Dual Microphones:** Built-in noise-canceling microphones for clear audio.
- **Privacy Cover:** Physical slider to block the camera lens for privacy.
- **USB Cable:** For connecting to your computer.
- **Mounting Clip/Tripod Mount:** Adjustable clip for securing the webcam to a monitor or using with the included tripod.

4. SETUP AND INSTALLATION

The VIZOLINK webcam is designed for easy plug-and-play installation without the need for additional drivers or software.

4.1 Connecting the Webcam

Connect the webcam to your computer using the integrated USB 2.0 cable. The system will automatically recognize the device.

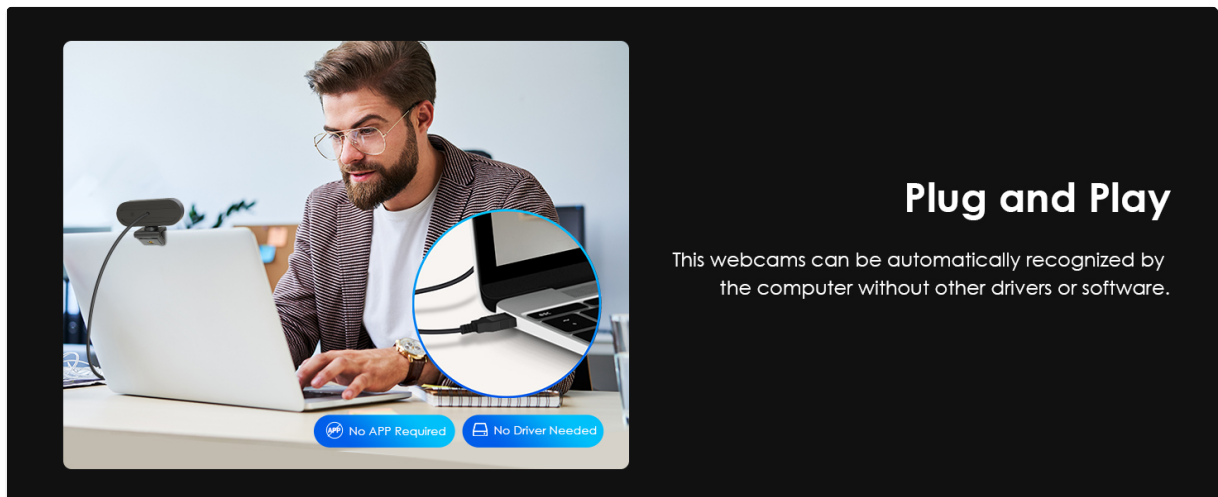


Image: A VIZOLINK webcam connected to a laptop via its USB cable, demonstrating the plug-and-play setup without requiring additional drivers or software.

4.2 Mounting Options

The webcam offers versatile mounting options to suit your setup:

- **On a Monitor/Laptop Screen:** Use the adjustable clip to securely attach the webcam to the top edge of your display.
- **On a Desktop:** Place the webcam directly on your desk.
- **On the Tripod:** Attach the webcam to the included mini tripod for stable placement on any flat surface.

The webcam features 360° horizontal rotation for flexible positioning.

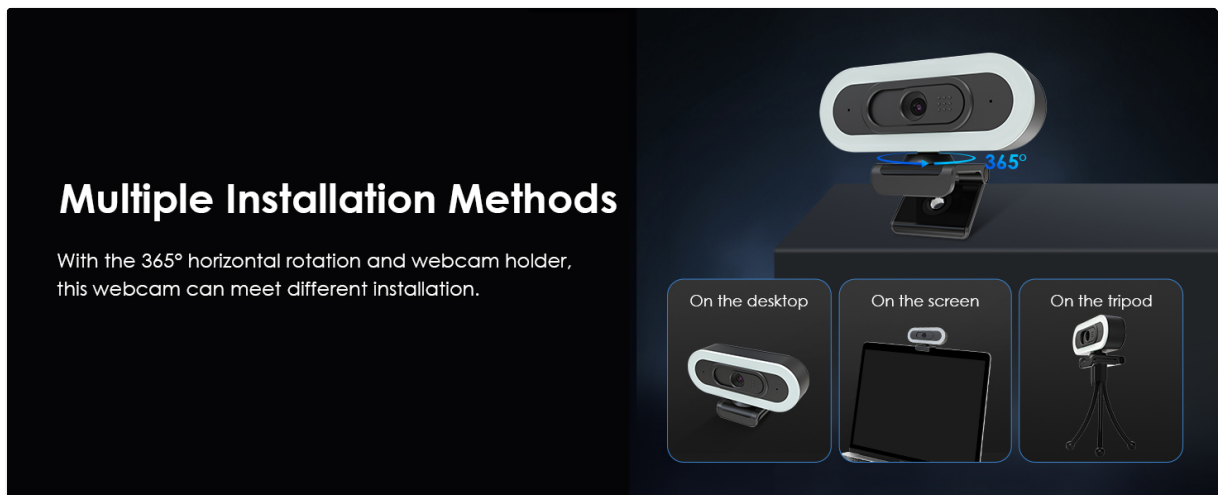


Image: Illustrations demonstrating the webcam's flexible installation options, including placement on a desktop, attachment to a monitor, and mounting on a tripod.

4.3 System Requirements

The webcam is compatible with the following operating systems:

- Windows
- macOS
- Chrome OS
- Android 7.0 or higher version

5. OPERATION

Learn how to utilize the various features of your VIZOLINK webcam.

5.1 Video Streaming and Resolution

The webcam supports high-quality video streaming:

- **2K Resolution:** Supports 2K at 50FPS/30FPS for detailed and smooth video capture.
- **HD Formats:** Also supports YUV/MJPG formats for 1080P@60fps/30fps and 720P@60fps/30fps.

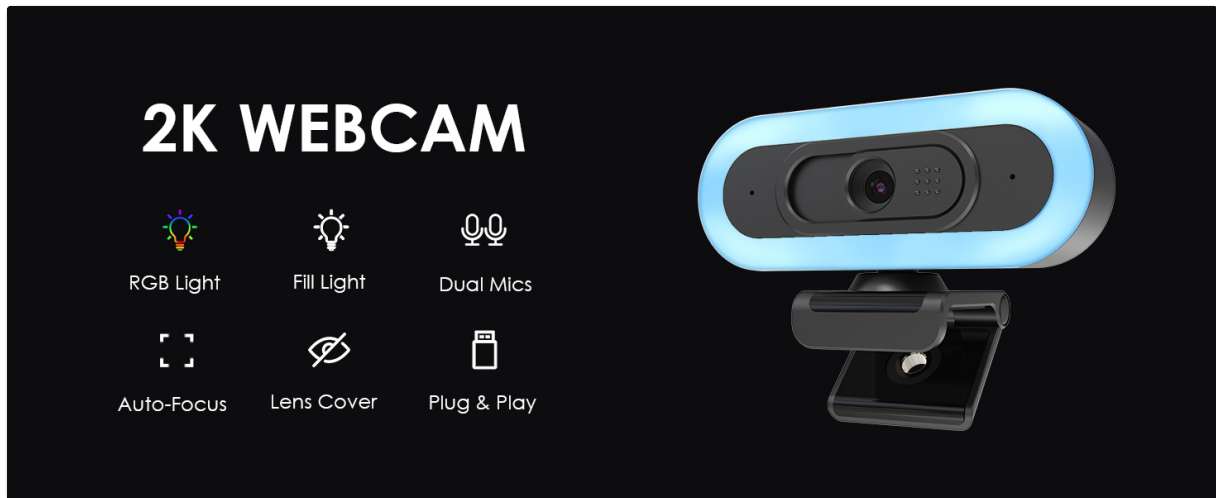


Image: A user engaged in live streaming, demonstrating the clear and smooth 2K 50FPS video quality of the VIZOLINK webcam.

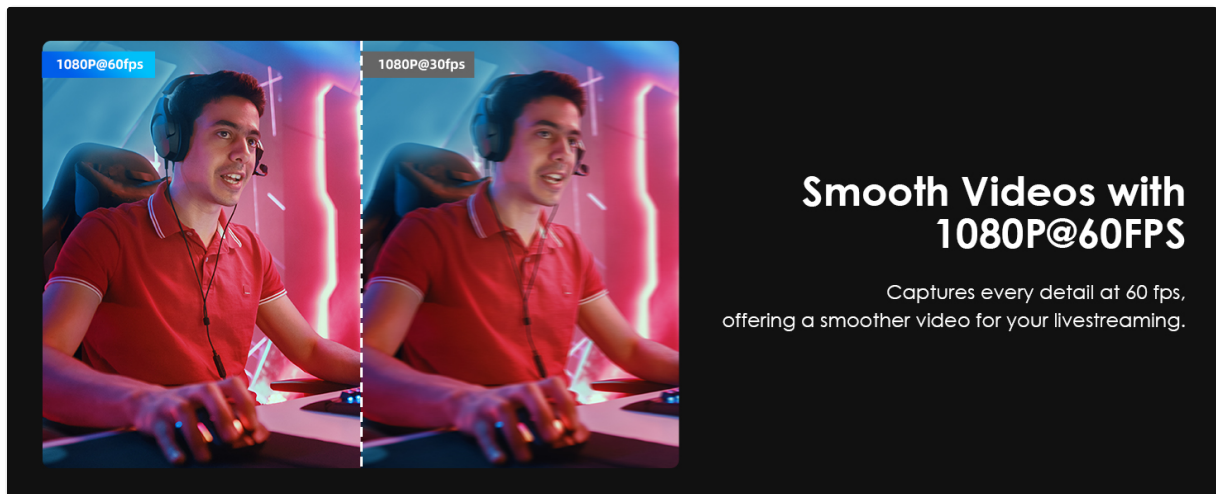


Image: A visual comparison illustrating the difference in smoothness between 1080P@60FPS and 1080P@30FPS video, emphasizing the enhanced fluidity at higher frame rates.

5.2 Autofocus Function

The webcam features an excellent autofocus function that ensures your image remains clear and stable.

- **Accurate and Fast:** Automatically adjusts focus to keep subjects sharp.
- **Low Light Performance:** Auto white balance and exposure control enhance image quality even in dim lighting.



Excellent Autofocus Function

Accurate and fast focus, easily get a clear image.

Image: A family portrait captured by the webcam, illustrating the accurate and fast autofocus function that keeps subjects clear.

5.3 RGB Lighting

The webcam includes integrated RGB ring lights for atmospheric effects.

- **Automatic Activation:** When connected and video software is initiated, the webcam provides 7 colorful atmosphere light effects (e.g., Red, Yellow, Purple).
- **Gaming Enhancement:** These lights are particularly suitable for game streaming environments.



7 Colorful RGB LED Light

Automatic color change with four pieces RGB lights.



Image: A gamer using the VIZOLINK webcam, showcasing the 7 colorful RGB LED lights that automatically change color, enhancing the gaming atmosphere.

5.4 Adjustable Fill Light

In addition to RGB, the webcam features an adjustable fill light to improve your visibility.

- **Switching Modes:** Touch the back of the webcam to switch between RGB light mode and fill light mode.
- **3 Levels of Brightness:** Adjusts light levels in dim environments, reducing backlighting and glare to ensure your face is well-lit.

3 Levels Adjustable Fill Light

Adjusts light levels in dim environments, mitigating backlighting and glare to ensure your face is well-lit.



Touch on the back of webcam to adjust fill light brightness.

Image: A visual guide demonstrating the three adjustable levels of fill light (low, medium, high) and the touch control on the back of the webcam to activate and adjust brightness.

5.5 Dual Noise-Canceling Microphones

The webcam is equipped with advanced audio capabilities for clear communication.

- **Background Noise Filter:** Built-in 2 microphones with professional audio chips automatically filter out background noise, echo, and environmental sounds.
- **Clear Voice Pickup:** Delivers clear voice pickup within a distance of up to 5 meters (16 feet) without delay.

2 Noise Reduction Mics

Auto reduces background noise to provide clear and crisp audio recording



Image: A user participating in a video conference, illustrating the effectiveness of the webcam's dual noise-reduction microphones with a 5-meter voice pickup range.

5.6 Privacy Cover

For enhanced privacy and security, the webcam includes a physical privacy cover.

- **Physical Protection:** Slide the cover over the lens to physically block the camera, preventing unintended capture or unauthorized access.

Privacy for Web Security

Turn on the privacy cover, the camera will not capture any image, which effectively protect your privacy and security.



Image: A visual representation of the webcam's privacy cover, showing its open and closed states to ensure web security and prevent privacy leaks.

5.7 Compatibility

The VIZOLINK webcam is compatible with a wide range of popular video conferencing and streaming platforms:



Image: A display of logos for various applications, indicating the webcam's broad compatibility with platforms such as Zoom, YouTube, Skype, and Microsoft Teams.

Ideal for various applications:

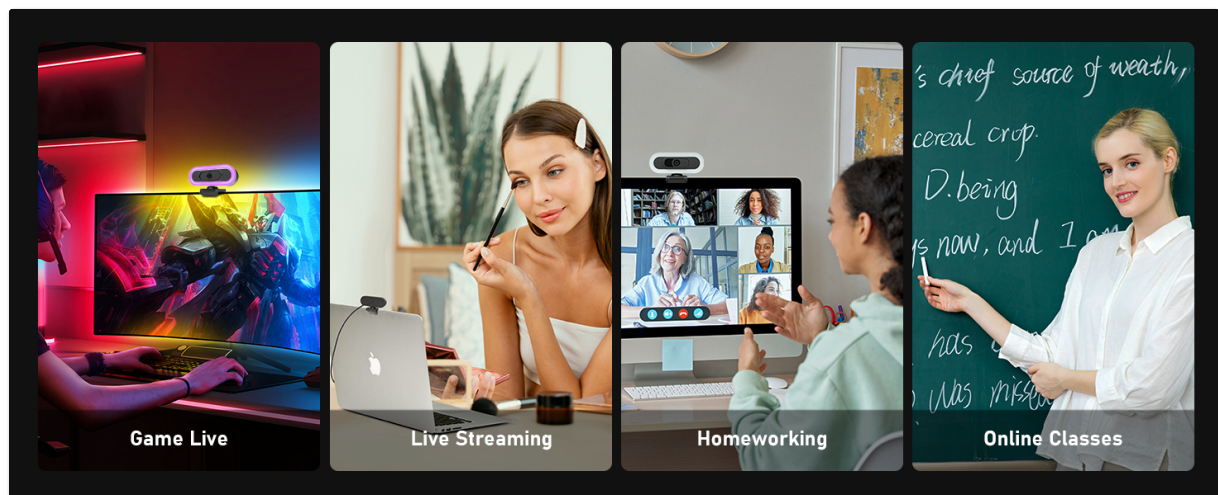


Image: Four distinct scenarios illustrating the webcam's versatility for game live streaming, general live streaming, remote work (homeworking), and online educational classes.

6. MAINTENANCE

Proper care ensures the longevity and performance of your webcam.

- **Cleaning the Lens:** Use a soft, dry, lint-free cloth to gently wipe the lens. Avoid abrasive materials or chemical cleaners.
- **General Cleaning:** Wipe the body of the webcam with a slightly damp cloth. Ensure no moisture enters the device.
- **Storage:** When not in use, store the webcam in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping the webcam or subjecting it to strong impacts.

7. TROUBLESHOOTING

If you encounter issues with your webcam, refer to the following common problems and solutions:

- **Webcam Not Detected:**
 - Ensure the USB cable is securely connected to both the webcam and your computer.
 - Try connecting to a different USB port.
 - Restart your computer.
 - Check your operating system's privacy settings to ensure camera access is enabled for applications.
- **Poor Image Quality:**
 - Ensure the lens is clean and free of dust or smudges.
 - Check lighting conditions; use the adjustable fill light if necessary.
 - Verify that your video conferencing software is set to the correct resolution (e.g., 2K or 1080P).
- **No Audio or Poor Audio Quality:**
 - Ensure the webcam's microphone is selected as the input device in your computer's sound settings and in your application settings.
 - Check that the microphone is not muted in your system or application.
 - Ensure you are within the 5-meter voice pickup range.
- **RGB/Fill Lights Not Working:**
 - Ensure the webcam is properly connected via USB.
 - For RGB lights, ensure a video application is active.
 - For fill lights, gently touch the back of the webcam to cycle through brightness levels.

8. SPECIFICATIONS

Detailed technical specifications for the VIZOLINK 2K 50FPS Webcam (Model W4LS).

Feature	Specification
Brand	VIZOLINK
Model Number	W4LS
Video Capture Resolution	2K

Feature	Specification
Effective Still Resolution	4 MP
Photo Sensor Technology	CMOS
Connectivity Technology	USB
Focus Type	Auto Focus
Viewing Angle	65 Degrees
Number of Microphones	2 (Noise-Canceling)
Supported Audio Format	YUV/MJPG
Operating System Compatibility	Windows, macOS, Chrome OS, Android
Built-In Media	Tripod
Maximum Aperture	1.8 f
Minimum Focal Length	0.3 Millimeters
Maximum Focal Length	3 Millimeters
Exposure Control Type	Automatic
White Balance Settings	Auto

9. WARRANTY AND SUPPORT

9.1 Manufacturer's Warranty

This VIZOLINK webcam comes with a **2 Year Manufacturer Warranty**. Please retain your proof of purchase for warranty claims. The warranty covers defects in materials and workmanship under normal use.

9.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact VIZOLINK customer support through the retailer's platform or the official VIZOLINK website. Provide your product model number (W4LS) and a detailed description of the issue for efficient service.