

Hrayzan W4LS

Hrayzan 2K Webcam with Light Instruction Manual

Model: W4LS

1. INTRODUCTION

This manual provides detailed instructions for the Hrayzan 2K Webcam with Light, Model W4LS. Please read this manual thoroughly before using the product to ensure proper setup and operation. This webcam is designed to enhance your video communication and streaming experiences with high-resolution video, integrated lighting, and clear audio.



Figure 1: Hrayzan 2K Webcam with Light and included accessories.

2. KEY FEATURES

- **2K QHD Video Resolution:** Supports 2K (2560x1440) at 50fps, 1080p at 60fps, and 720p at 60fps for smooth, high-definition video. Also supports 30fps options for various system and application requirements.
- **Integrated Lighting:** Features a fill RGB light for atmospheric effects and a 3-level adjustable white ring light for professional illumination during calls.
- **Dual Noise-Cancelling Microphones:** Enhances audio clarity by reducing ambient noise, capturing voice effectively up to 16.4 feet.
- **Autofocus Lens:** Automatically adjusts focus to maintain clear image quality, even with movement.
- **Built-in Privacy Cover:** Provides physical privacy protection when the webcam is not in use.
- **Plug-and-Play USB Connectivity:** No driver installation required for most operating systems. Includes a USB-C to USB-A adapter for broad compatibility.
- **Wide Compatibility:** Works with Windows 7/8/10/11 or above, macOS 10.10 or above, Chrome OS, and Android 5.0 or above.
- **Automatic Low Light Correction:** Optimizes video quality in dim lighting conditions.

3. SETUP INSTRUCTIONS

3.1 Package Contents

- Hrayzan 2K Webcam with Light
- USB-C to USB-A Adapter
- Mini Tripod

3.2 Connecting the Webcam

1. **Mounting:** Place the webcam securely on top of your monitor or laptop screen using its integrated clip. Ensure the webcam is stable. Alternatively, attach the included mini tripod to the webcam's base and place it on a flat surface.
2. **Connect to Computer:** Plug the webcam's USB-C cable directly into an available USB-C port on your computer. If your computer only has USB-A ports, use the provided USB-C to USB-A adapter.
3. **Power Indicator:** A small light on the webcam will illuminate to indicate it is powered on and connected. If using a USB hub, ensure it is a powered hub to provide sufficient power.
4. **Automatic Driver Installation:** The webcam is plug-and-play. Your operating system (Windows, macOS, Chrome OS, Android) should automatically detect and install the necessary drivers. No manual driver installation is typically required.



Figure 2: Plug-and-play setup and wide compatibility with various platforms.

3.3 Initial Software Configuration

After connecting, you may need to select the Hrayzan webcam and its microphone within your video conferencing or streaming application (e.g., Zoom, Skype, OBS Studio, Microsoft Teams). Check your application's audio and video settings to ensure the correct devices are selected.

For Windows users, ensure privacy settings allow applications to access your camera and microphone:

- Go to **Settings > Privacy & security > Camera** and ensure "Camera access" and "Let apps access your camera" are turned on.
- Similarly, go to **Settings > Privacy & security > Microphone** and ensure "Microphone access" and "Let apps access your microphone" are turned on.

4. OPERATING INSTRUCTIONS

4.1 Video Resolution and Frame Rate

The webcam supports multiple resolutions and frame rates. The actual resolution and frame rate used will depend on your computer's capabilities and the settings within your video application.

- **2K (2560x1440):** Up to 50 frames per second (fps).
- **1080p (1920x1080):** Up to 60 frames per second (fps).
- **720p (1280x720):** Up to 60 frames per second (fps).

Some applications or system configurations may default to 30fps for all resolutions (1440P/30fps, 1080p/30fps, and 720p/30fps). You can usually adjust these settings within your video conferencing or streaming software.



2K QHD Pro Webcam
supply smoother videos & sharper picture.

2560*1440P 4M Pixels

2K@ 50fps/30fps

More resolutions and frame-rate options
to meet your different screens or apps requests

1080p@60fps/30fps
720@60fps/30fps

Figure 3: Supported video resolutions and frame rates.

4.2 Integrated Lighting Control

The webcam features both a white ring light and an RGB fill light. These can be controlled via a touch-sensitive area on the webcam.

1. **Switching Light Modes:** Tap the touch control area to cycle between RGB light mode and white light mode.
2. **Adjusting White Light Brightness:** In white light mode, tap the touch control area repeatedly to cycle through 3 levels of brightness (Low, Medium, High).
3. **RGB Light:** The RGB light provides a colorful ambient effect, ideal for streaming or creating a specific mood.

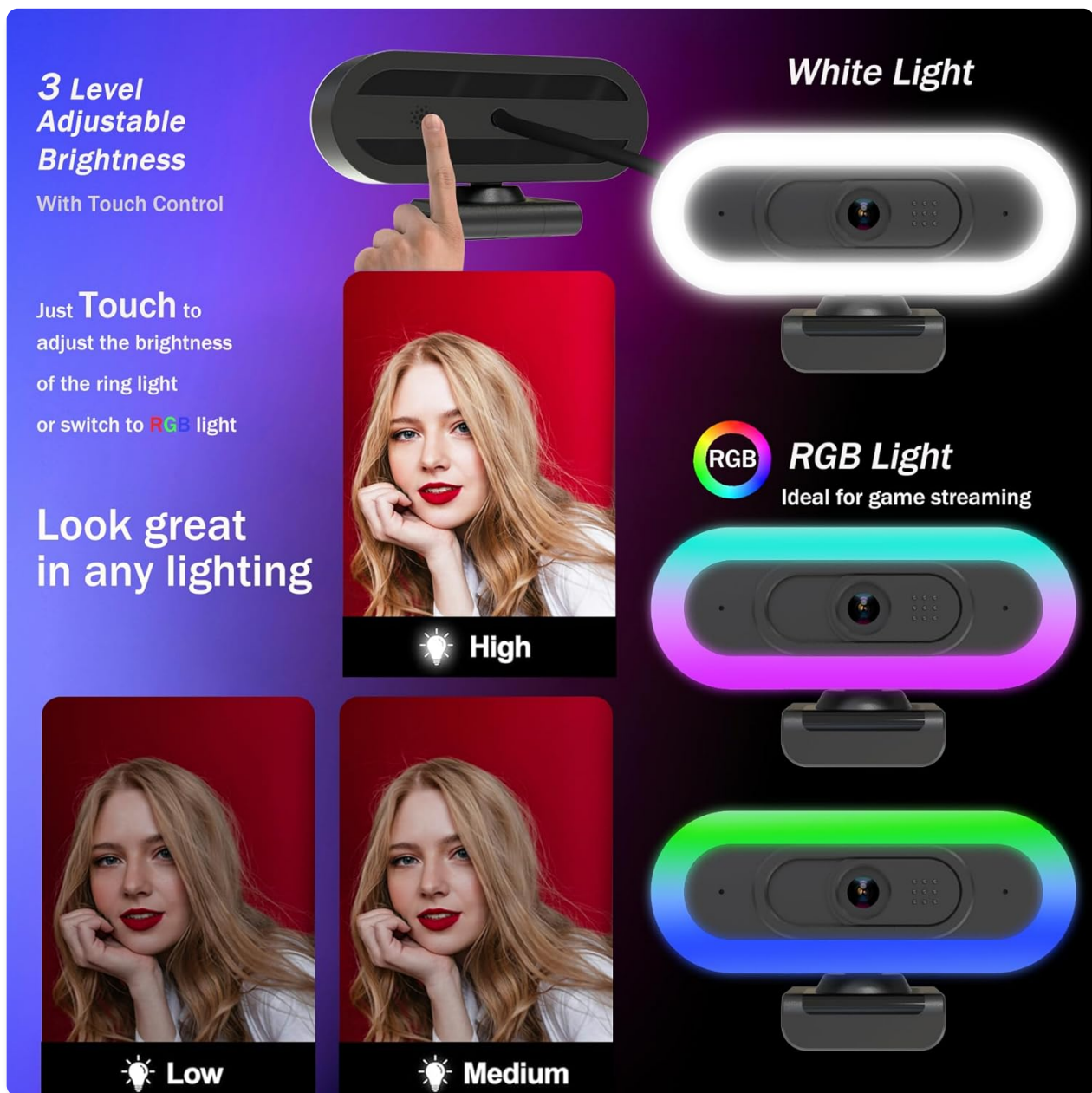


Figure 4: Touch control for white light brightness and RGB light.

4.3 Autofocus Functionality

The Hrayzan 2K Webcam is equipped with smart autofocus. This feature automatically adjusts the lens to keep you in clear focus, even if you move within the 65° field of view. This ensures a consistently sharp image without manual adjustments.

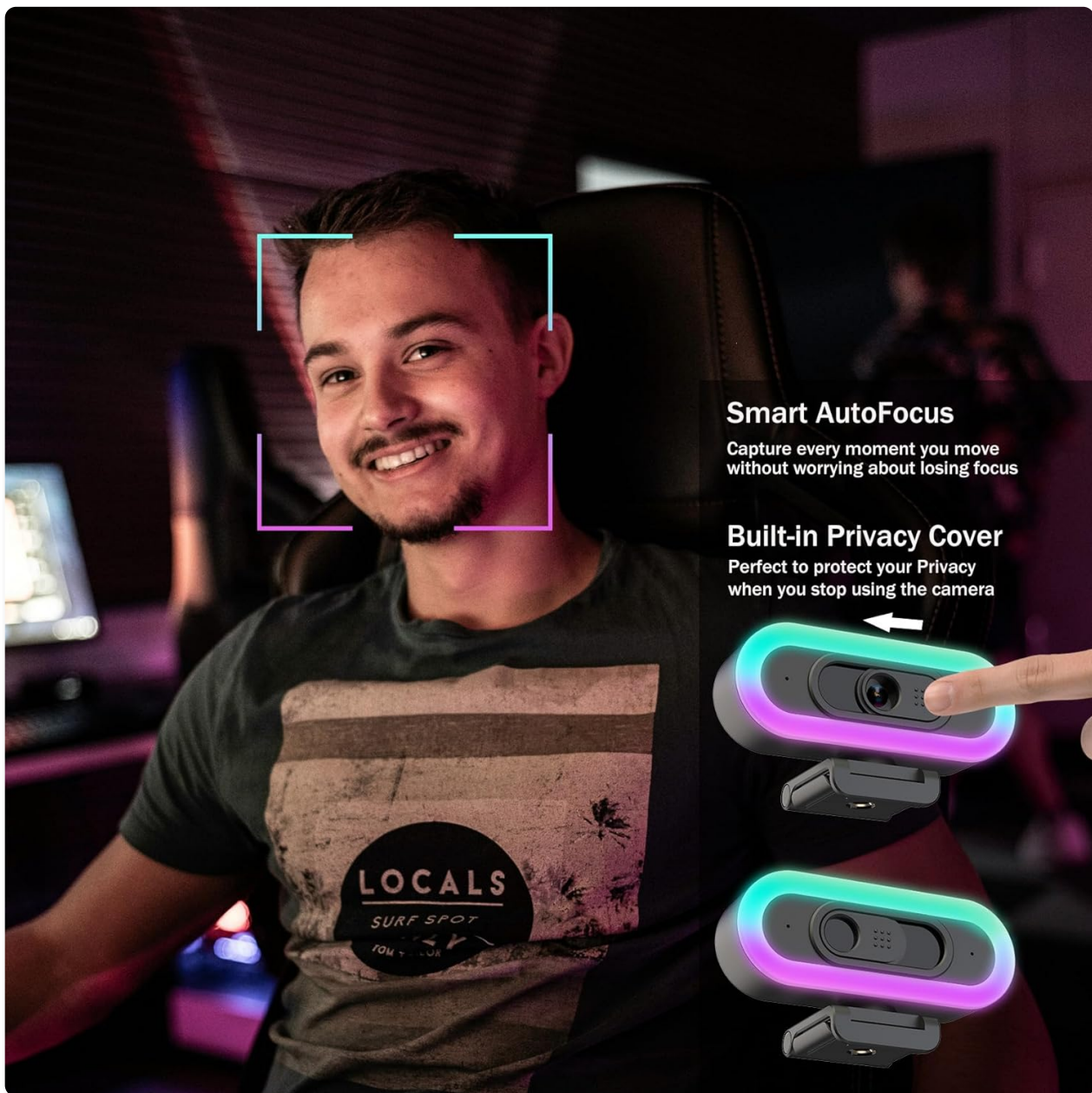


Figure 5: Smart Autofocus in action and privacy cover.

4.4 Dual Noise-Cancelling Microphones

The integrated dual stereo microphones are designed to reduce ambient noise, providing clearer audio for your calls and recordings. The microphones can pick up your voice from a distance of up to 16.4 feet (5 meters).



Figure 6: Dual noise-cancelling microphones for clear audio.

4.5 Privacy Cover

The webcam includes a built-in privacy cover. Slide the cover over the lens when the webcam is not in use to ensure your privacy and protect the lens from dust.

5. MAINTENANCE

- **Cleaning the Lens:** Use a soft, lint-free cloth specifically designed for optics to gently wipe the webcam lens. Avoid using harsh chemicals or abrasive materials.
- **Cleaning the Body:** Wipe the webcam's body with a soft, slightly damp cloth. Ensure no moisture enters the device.
- **Storage:** When not in use for extended periods, store the webcam in a dry, dust-free environment. Use the privacy cover to protect the lens.
- **Avoid Extreme Conditions:** Do not expose the webcam to extreme temperatures, direct sunlight, or high humidity.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Webcam not detected / No image	<ul style="list-style-type: none"> Loose USB connection Insufficient power from USB port/hub Privacy settings blocking access Incorrect device selected in application 	<ul style="list-style-type: none"> Ensure USB cable is firmly connected. Try a different USB port, preferably a direct port on your computer. If using a USB hub, ensure it is a powered hub. Check your operating system's privacy settings for camera and microphone access. Verify that "Hrayzan 2K Webcam" is selected as the video and audio input device in your application settings.
Poor image quality / Blurry video	<ul style="list-style-type: none"> Dirty lens Poor lighting conditions Application settings 	<ul style="list-style-type: none"> Gently clean the webcam lens with a soft, lint-free cloth. Ensure adequate lighting. Use the webcam's integrated white ring light to improve illumination. Check your application's video resolution settings.
No audio or poor audio quality	<ul style="list-style-type: none"> Microphone muted or incorrect device selected Privacy settings blocking access 	<ul style="list-style-type: none"> Ensure the microphone is not muted in your application or operating system. Verify that "Hrayzan 2K Webcam" is selected as the audio input device in your application settings. Check your operating system's privacy settings for microphone access.
Integrated light not working	<ul style="list-style-type: none"> Webcam not powered Touch control issue 	<ul style="list-style-type: none"> Ensure the webcam is properly connected and receiving power. Gently tap the touch control area on the webcam to cycle through light modes and brightness levels.

7. SPECIFICATIONS

- **Model:** W4LS
- **Brand:** Hrayzan
- **Video Capture Resolution:** 2K (2560x1440), 1080p (1920x1080), 720p (1280x720)
- **Frame Rate:** Up to 50fps (2K), 60fps (1080p/720p)
- **Photo Sensor Technology:** CMOS
- **Field of View (FOV):** 65°
- **Focus Type:** Autofocus
- **Microphone:** Dual Stereo, Noise-Cancelling
- **Lighting:** Integrated White Ring Light (3 levels), RGB Fill Light
- **Connectivity:** USB-C (includes USB-C to USB-A adapter)
- **Cable Length:** 5.9 ft

- **Compatibility:** Windows 7/8/10/11+, macOS 10.10+, Chrome OS, Android 5.0+ (UVC/UAC support)
- **Item Weight:** 5.3 ounces
- **Package Dimensions:** 4.84 x 2.99 x 2.52 inches
- **Color:** Black and White

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Hrayzan website or contact the retailer from whom you purchased the product. Keep your purchase receipt as proof of purchase for any warranty claims.