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› LOVENSE Webcam 2 4k for PC, Live Streaming Camera 1/2" Sensor True Focus AI Noise Canceling, Hand Gesture Control, Mobile Control, Auto Framing, Customizable Audio Modes, Microphones, Privacy Control User Manual

LOVENSE LOVENSE 4K Webcam 2 for PC

LOVENSE Webcam 2 User Manual

Model: LOVENSE 4K Webcam 2 for PC

Brand: LOVENSE

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your LOVENSE Webcam 2. Please read this manual carefully before using the product to ensure optimal performance and longevity.



Image: Front view of the LOVENSE Webcam 2, showcasing its sleek black design with the LOVENSE logo and 4K AI F/1.8 1/2" lens details visible.

WHAT'S IN THE BOX

Verify that all items are present in the package:

- 1x Lovense Webcam
- USB-C to USB-C Cable
- USB-A Adapter
- User Manual
- Quick Start Guide

Lightweight and Compact Design

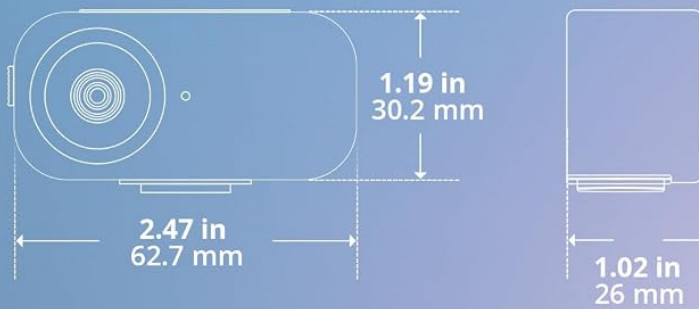


Image: The LOVENSE Webcam 2 package contents, including the webcam, cables, and documentation, laid out on a surface.

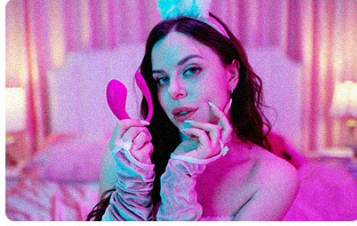
KEY FEATURES

- **Ultra HD 4K Resolution:** Provides clear and vibrant video quality for live streaming and video calls.

Look Your Best with Ultra HD 4K Resolution



1080P



2K



4K

Image: Visual comparison demonstrating the improved clarity and detail of 4K resolution compared to 1080p and 2K.

- **Professional 1/2" Sensor:** Enhances low-light performance and captures more detail.

Professional 1/2" Sensor Capture More Details



Image: A diagram illustrating the size of a professional 1/2" sensor compared to a regular webcam sensor, highlighting its larger area for capturing more details.

- **AI Noise Canceling with 3 Audio Modes:** Filters background noise for clear audio. Includes Voice Focus, Noise Cancellation, and Music & Voice Balance modes.

AI Noise Canceling Keeps Your Voice Clear

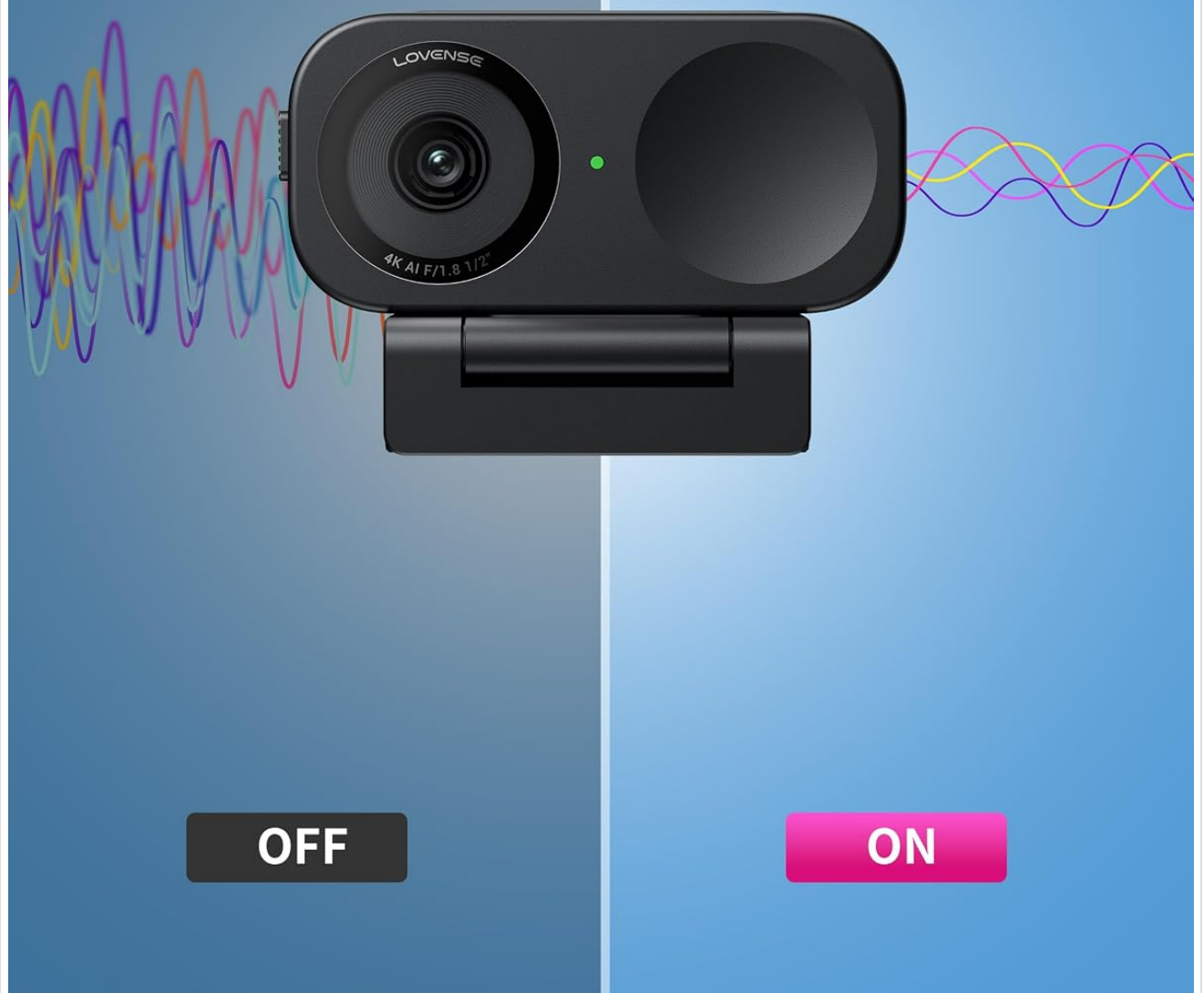
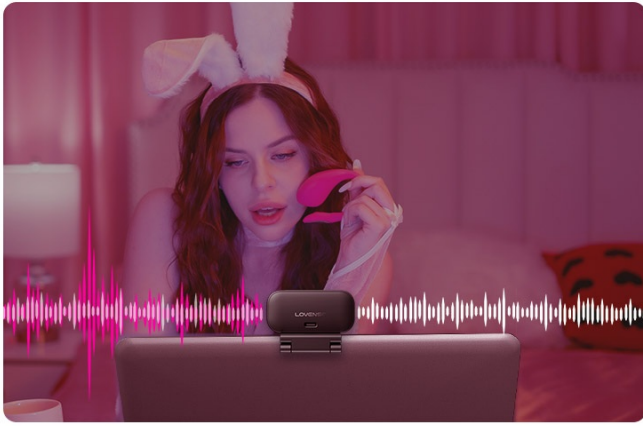


Image: A visual representation of the AI Noise Canceling feature, showing sound waves being filtered out by the webcam.



Intelligent AI noise-canceling technology

Image: A graphic illustrating the intelligent AI noise-canceling technology, showing how unwanted sounds are suppressed.

Balance your voice with background music

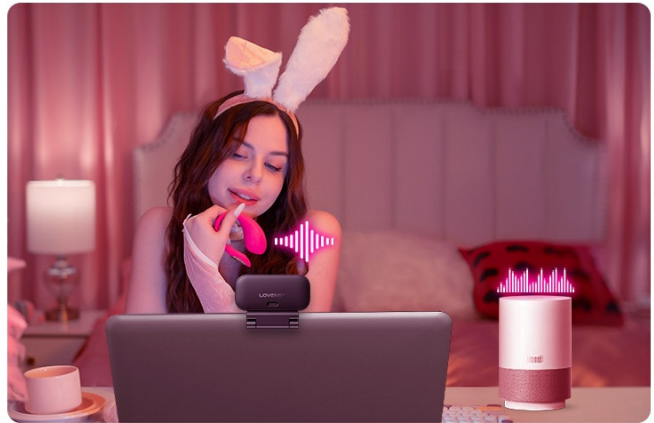


Image: A visual demonstrating the ability to balance voice audio with background music, ensuring both are clear and well-proportioned.

- **Hand Gesture Control:** Adjust camera view with simple hand motions.

Easy Control via Gestures or Mobile Phone

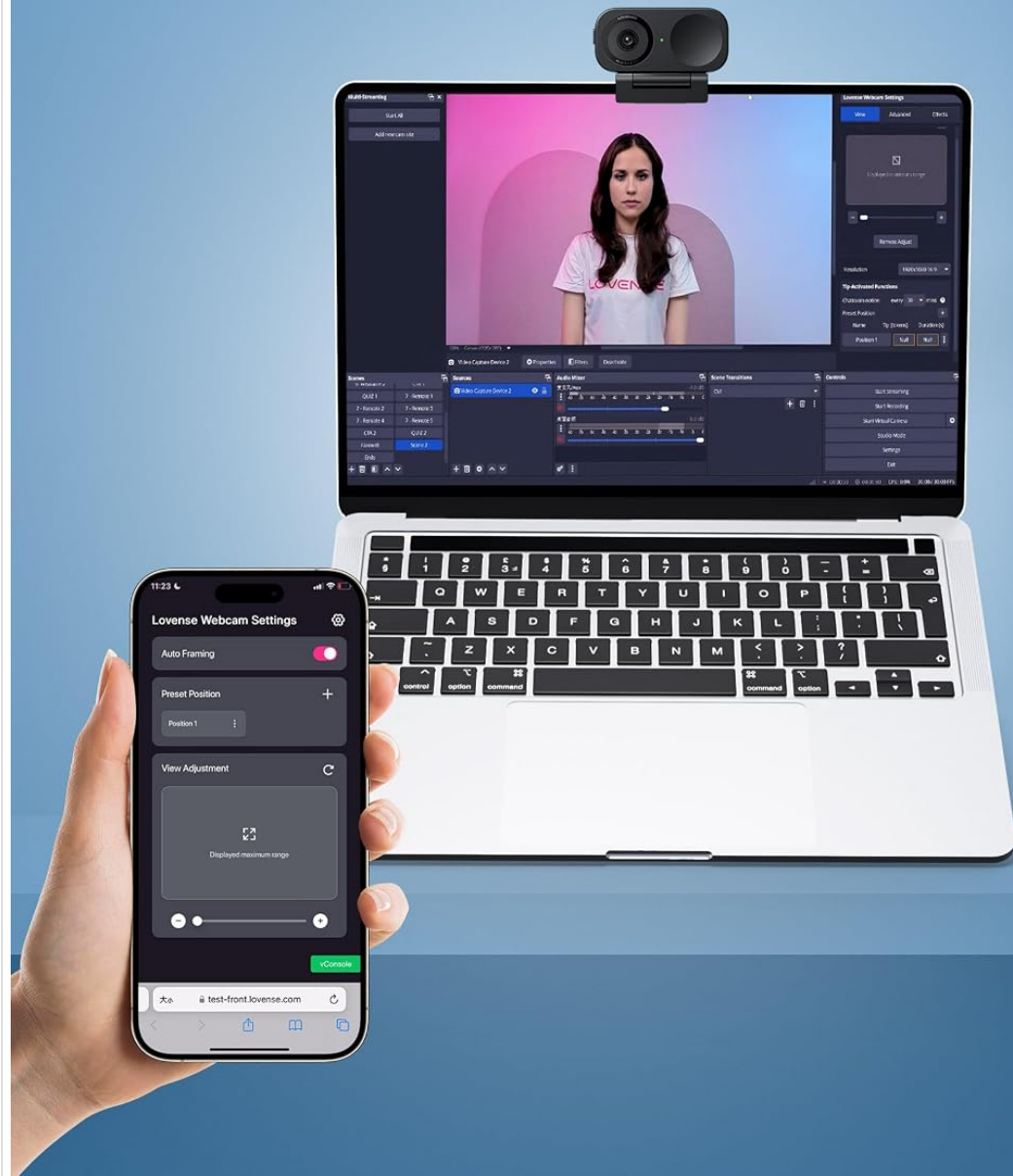


Image: A user demonstrating hand gestures to control the webcam, with a smartphone showing the companion app for mobile control.

Simple Hand Gestures Control from a Distance



Enable AI tracking



Zoom in/out



Enable whiteboard mode

Image: Illustrations of three hand gestures: one for enabling AI tracking, one for zoom in/out, and one for enabling whiteboard mode.

- **Mobile Control:** Manage settings conveniently from your smartphone.
- **AI Auto Framing:** Keeps you perfectly centered in the frame.

Auto Framing Follows Your Movement



Image: A visual showing the auto-framing feature in action, with a red box tracking a person's face to keep them centered in the video feed.

- **Privacy Mode:** Includes an easy-access privacy switch for security.

Privacy Protection Easy-access Privacy Switch



Image: A close-up of the LOVENSE Webcam 2 showing the physical privacy switch on the side, with green arrows indicating its movement.

- **Tip-Activated Streaming:** Automatically responds to tips by zooming in/out to preset positions (for compatible platforms).

Instantly Engage with Your Fans

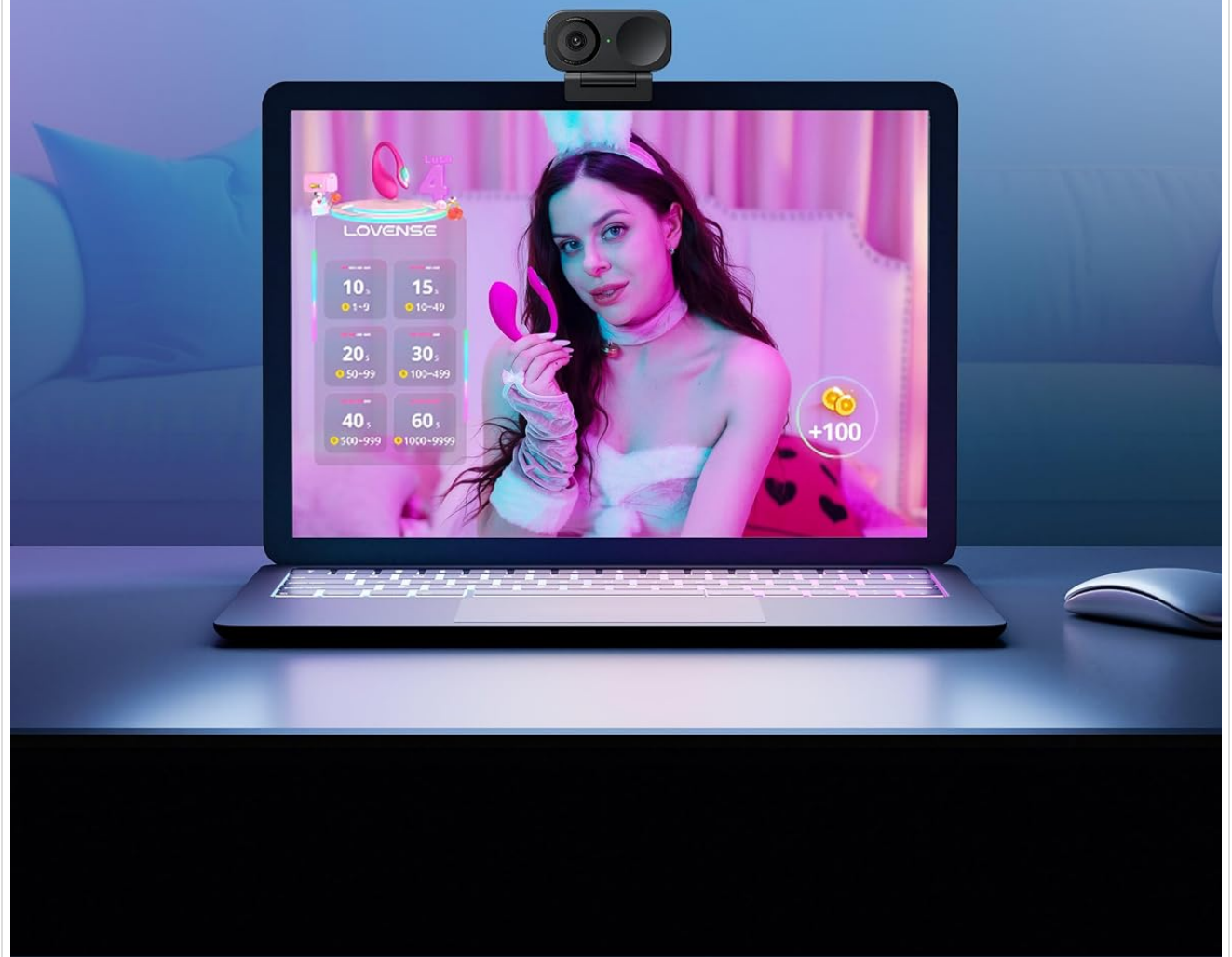


Image: A laptop screen displaying a live stream with on-screen tip notifications and a user interacting with the camera, demonstrating the tip-activated feature.

- **Native OBS Control:** Seamless integration directly within OBS for multi-platform streaming.
- **HDR Mode:** Balances images in various lighting conditions.

HDR Mode Balances Images in Any Light



Image: A split image demonstrating the effect of HDR mode, showing a scene with HDR OFF (overexposed highlights, underexposed shadows) and HDR ON (balanced exposure).

SETUP GUIDE

1. **Unpack the Webcam:** Carefully remove the LOVENSE Webcam 2 and all accessories from the packaging.
2. **Mount the Webcam:**
 - **On a Monitor/Laptop:** Open the integrated clip/stand and place it securely on top of your monitor or laptop screen. Adjust the angle to ensure stability.

- **On a Tripod:** The webcam features a standard tripod thread on its base. Attach it to a compatible tripod for more flexible positioning.

3. Connect to Your Computer:

- Connect one end of the provided USB-C cable to the USB-C port on the LOVENSE Webcam 2.
- Connect the other end of the USB-C cable to an available USB-C port on your computer. If your computer only has USB-A ports, use the included USB-A adapter.

4. **Driver Installation (Plug & Play):** The LOVENSE Webcam 2 is a plug-and-play device. Your operating system (Windows, macOS) should automatically detect and install the necessary drivers. Allow a few moments for the installation to complete.
5. **Software Installation (Optional but Recommended):** For full functionality and advanced controls (like gesture control, mobile control, and specific audio modes), download and install the official LOVENSE software from the LOVENSE website.
6. **Verify Connection:** Open a video conferencing application (e.g., Zoom, Skype, OBS) or your computer's camera application. Select "LOVENSE Webcam 2" as your video input device. You should see your video feed.

OPERATING INSTRUCTIONS

Basic Operation

- **Power On/Off:** The webcam powers on automatically when connected to a powered USB port. Disconnect the USB cable to power it off.
- **Privacy Switch:** Slide the physical privacy switch on the side of the webcam to cover or uncover the lens. This provides immediate privacy control.
- **Indicator Light:** A small LED light next to the lens indicates when the camera is active.

Advanced Features (via LOVENSE Software)

To utilize the full range of features, ensure the LOVENSE software is installed and running.

- **AI Auto Framing:**
Enable this feature in the software settings. The webcam will automatically adjust its field of view to keep you centered in the frame, even if you move around.
- **AI Noise Canceling & Audio Modes:**
Access the audio settings within the LOVENSE software. Select from the following modes:
 - **Voice Focus:** Optimizes your voice clarity, reducing ambient sounds.
 - **Noise Cancellation:** Aggressively filters out background noise.
 - **Music & Voice Balance:** Ideal for scenarios where both your voice and background music need to be balanced.
- **Hand Gesture Control:**
Activate gesture control in the software. Perform specific hand gestures in front of the camera to trigger actions such as:
 - Enabling/Disabling AI tracking
 - Zooming in/out
 - Activating whiteboard mode (if supported by software)
- **Mobile Control:**
Download the LOVENSE mobile app on your smartphone. Pair it with your webcam via the software to control settings remotely, including zoom, pan, tilt, and feature toggles.
- **Tip-Activated Features:**
For compatible streaming platforms, configure tip activation settings within the LOVENSE software. This allows the webcam to automatically zoom or adjust to preset positions when certain tip thresholds are met, enhancing audience engagement.
- **Native OBS Control:**

For streamers using OBS, the LOVENSE Webcam 2 offers direct integration. Manage camera settings and features directly within OBS without needing to switch to separate software.

- **HDR Mode:**
Toggle HDR (High Dynamic Range) mode in the software settings to improve image quality in challenging lighting conditions, balancing bright and dark areas.

MAINTENANCE

- **Cleaning the Lens:** Use a soft, lint-free cloth specifically designed for optical lenses to gently wipe the webcam lens. Do not use abrasive materials or harsh cleaning solutions.
- **Cleaning the Body:** Wipe the webcam body with a soft, damp cloth. Avoid getting moisture into any openings.
- **Storage:** When not in use for extended periods, store the webcam in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Software Updates:** Regularly check the official LOVENSE website for software and firmware updates to ensure optimal performance and access to new features.

TROUBLESHOOTING

Problem	Possible Cause / Solution
No video feed / Webcam not detected	◦ Ensure the USB cable is securely connected to both the webcam and the computer. ◦ Try a different USB port on your computer. ◦ Restart your computer. ◦ Check if the privacy switch is open. ◦ Verify that "LOVENSE Webcam 2" is selected as the video input in your application settings.
Poor video quality / Blurry image	◦ Ensure the lens is clean. ◦ Check lighting conditions; ensure adequate lighting. ◦ Verify that the webcam is set to 4K resolution in your application settings (if supported). ◦ Ensure your internet connection is stable for streaming.
No audio / Poor audio quality	◦ Ensure "LOVENSE Webcam 2" is selected as the microphone input in your application settings. ◦ Check microphone levels in your computer's sound settings. ◦ Ensure AI Noise Canceling is not overly aggressive for your environment; adjust settings in LOVENSE software.
Gesture control not working	◦ Ensure the LOVENSE software is running and gesture control is enabled. ◦ Perform gestures clearly and within the camera's field of view. ◦ Ensure sufficient lighting for gesture recognition.

SPECIFICATIONS

Feature	Detail
Model Name	Webcam 2
Item Model Number	LOVENSE 4K Webcam 2 for PC
Camcorder Type	Webcam
Connectivity Technology	USB
Screen Size	2 Inches (Visible screen diagonal)
Video Capture Resolution	4K
Maximum Video Resolution	4K@30fps
Video Coding Format	H.264.MIPEG
Photo Sensor Technology	CMOS
Maximum Focal Length	26 Millimeters
Aperture	F1.8
Digital Zoom	Up to 4x
ISO	100-3200
Shutter Speed	1/8000-1/30s
Exposure Compensation	±3 EV
Item Weight	46.5g (approx. 1.64 ounces)
Package Dimensions	11.42 x 5.12 x 2.76 inches
Product Dimensions (WxHxD)	2.47 x 1.19 x 1.02 inches (62.7 x 30.2 x 25 mm)
Power Consumption	5V/1A
Operating Temperature	32°F to 104°F (0°C to 40°C)



Dimensions(WxHxD): 2.47x1.19x1.02in

Weight: 46.5g

Use Time: Up to 72 hours

Max Video Resolution: 4K@30fps

Video Coding Format: H.264.MIPEG

Exposure Compensation: ±3 EV

ISO: 100-3200

Shutter Speed: 1/8000-1/30S

Aperture: F1.8

Digital Zoom: Up to 4x

power consumption: 5V/1A

Operating Temperature: 32°F to 104°F(0°C to 40°C)

Image: A diagram showing the LOVENSE Webcam 2 with its dimensions and a table listing detailed technical specifications.

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official LOVENSE website or contact LOVENSE customer service directly. Keep your proof of purchase for warranty claims.

LOVENSE Official Website: www.lovense.com

IMPORTANT SAFETY INFORMATION

- Do not expose the webcam to water or excessive moisture.
- Avoid dropping or subjecting the webcam to severe impacts.
- Do not attempt to disassemble or repair the webcam yourself. Refer to qualified service personnel.
- Use only the provided cables and accessories.
- Keep out of reach of children.