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OBSBOT TINY SE

OBSBOT Tiny SE Webcam Instruction Manual

Model: TINY SE

1. PRODUCT OVERVIEW

The OBSBOT Tiny SE is an advanced AI-powered PTZ webcam designed for high-quality video communication and content creation. It features 1080P resolution at 100 frames per second (FPS), intelligent tracking capabilities, and intuitive gesture controls.



Figure 1: Front view of the OBSBOT Tiny SE Webcam, showcasing its compact design and camera lens.

2. SETUP AND INSTALLATION

2.1 Package Contents

- OBSBOT Tiny SE Webcam
- USB-C to USB-A Cable
- USB-A to USB-C Adapter
- User Manual (this document)

2.2 Physical Installation

The OBSBOT Tiny SE can be easily mounted on top of your computer monitor or laptop screen using its integrated clip. For alternative setups, a 1/4-inch thread is located on the bottom of the device, allowing for tripod mounting.

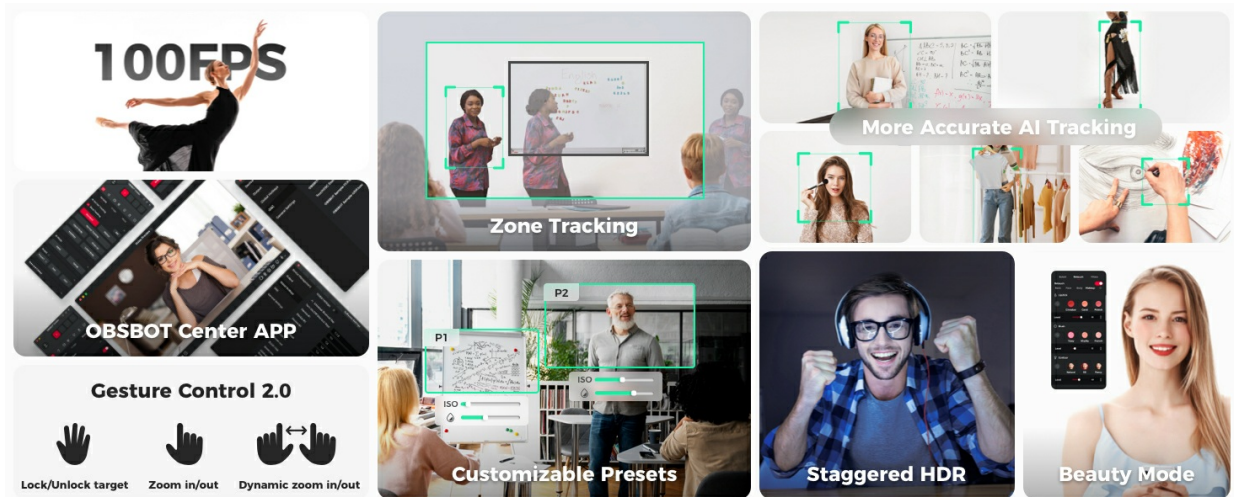


Figure 2: The OBSBOT Tiny SE webcam securely mounted on top of a computer monitor.

2.3 Connectivity

Connect the webcam to your computer using the provided USB-C to USB-A cable. An additional USB-A to USB-C adapter is included for broader compatibility with various USB ports.

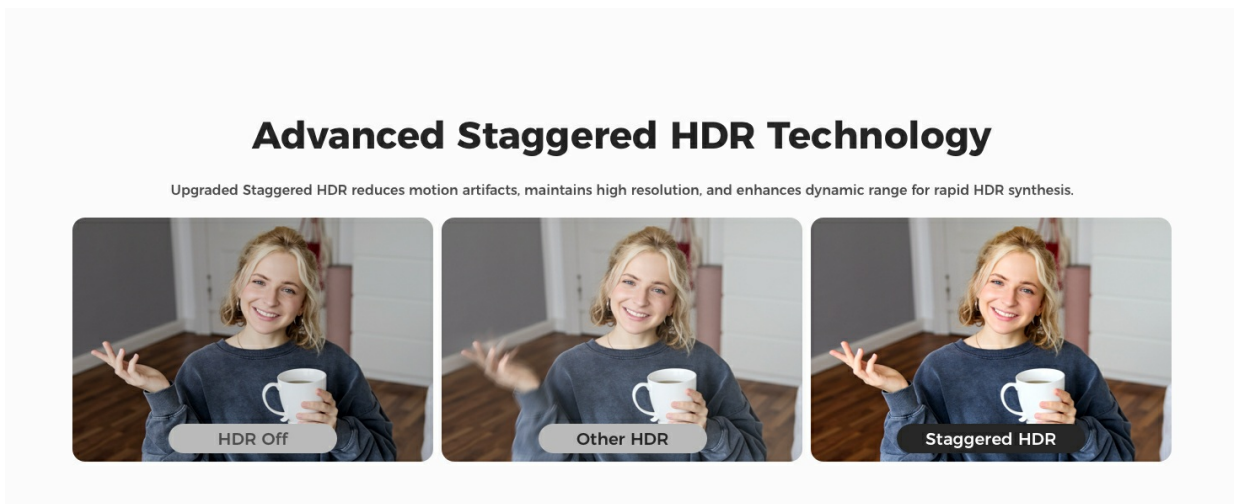


Figure 3: The webcam connected to a laptop, demonstrating its plug-and-play functionality.

2.4 Software Installation

The OBSBOT Tiny SE is plug-and-play, meaning it will be recognized by your operating system as a standard webcam. For basic functionality, no additional software is required. However, to unlock its full potential, including fine-tuning controls and firmware updates, download the optional OBSBOT Center App from the official OBSBOT website.

3. OPERATING INSTRUCTIONS

3.1 AI Tracking

The OBSBOT Tiny SE features advanced AI human tracking, allowing the camera to automatically follow your movements and keep you centered in the frame. This is ideal for dynamic presentations or active streaming sessions.



Figure 4: A person demonstrating zone tracking, where the camera focuses on a specific area while ignoring others.

Tracking Modes:

- **Normal Tracking:** Standard human tracking.
- **Upper Body:** Tracks the upper half of your body.
- **Close-up:** Zooms in on your face for a tighter shot.
- **Headless:** Tracks your body while keeping your head out of frame.

- **Lower Body:** Tracks the lower half of your body.
- **Zone Tracking:** Customize specific tracking and non-tracking areas within the frame.

3.2 Gesture Control

Control key functions of the webcam using simple hand gestures:

- **Lock/Unlock Target:** Make an open palm gesture towards the camera to start or stop AI tracking.
- **Zoom In/Out:** Form an 'L' shape with one hand near your face to toggle digital zoom.
- **Dynamic Zoom:** Form 'L' shapes with both hands and move them closer or further apart to dynamically adjust the zoom level.

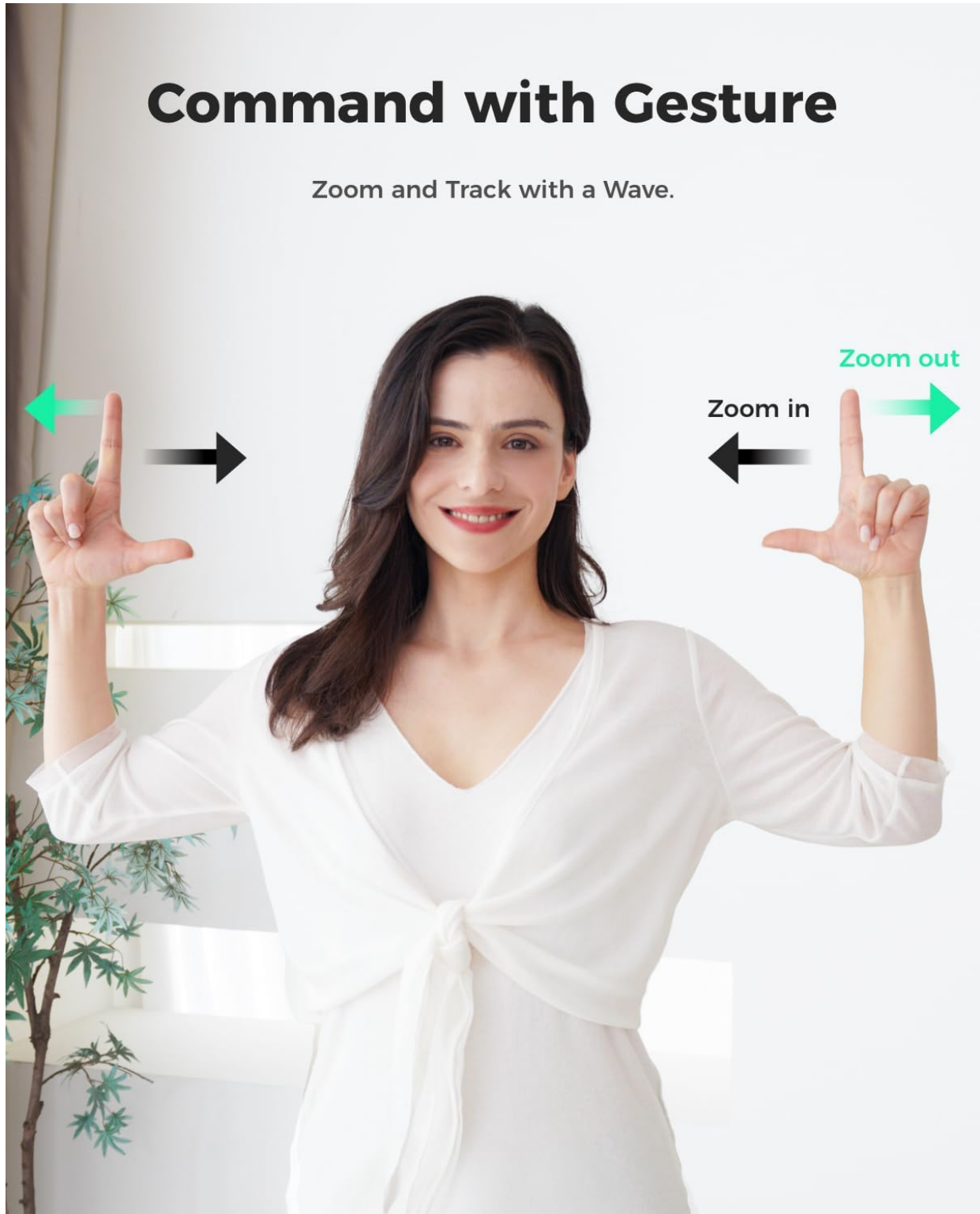


Figure 5: Visual guide for dynamic gesture controls, including zoom in/out and track/untrack target.

3.3 Customizable Presets

The OBSBOT Center App allows you to set multiple preset positions for the camera. Each preset can have customized parameters and AI tracking modes, enabling seamless scene switching.

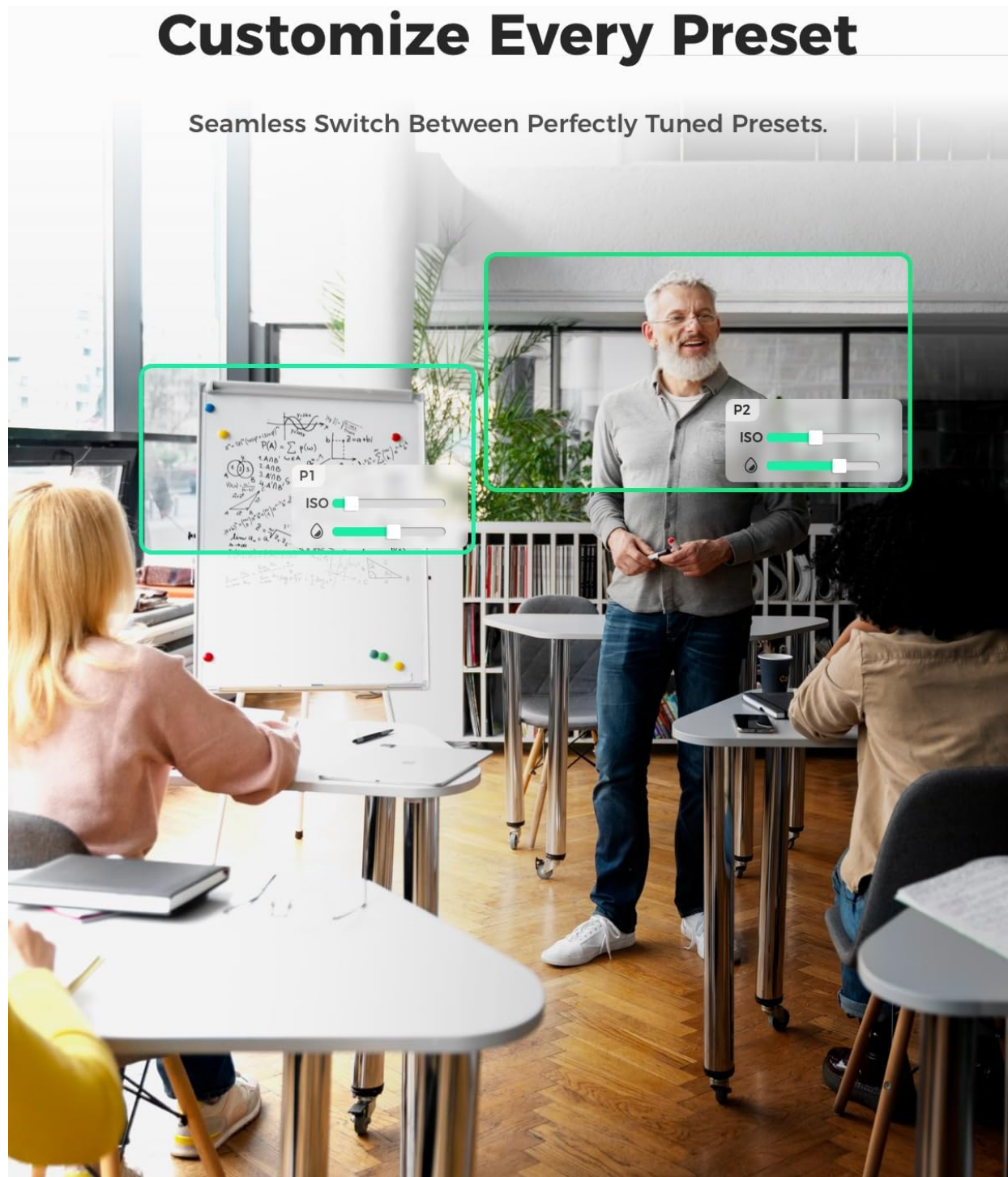


Figure 6: Example of customizable presets being used to switch between different views in a meeting or classroom.

3.4 Image and Audio Settings


Utilize the OBSBOT Center App to fine-tune your video and audio output:

- **Video Resolution:** Supports 1080P at 100FPS and 720P at 150FPS for smooth, clear video.
- **Low Light Performance:** Equipped with a 1/2.8" Stacked CMOS sensor, Dual Native ISO, 2.9 μm Pixels Size, and Staggered HDR for excellent video quality in various lighting conditions.
- **Auto Focus:** Choose between Global focus (focuses on the entire scene) or Face focus (prioritizes your face).
- **Exposure:** Manually adjust shutter speed and ISO for optimal brightness.


- **White Balance:** Automatic or manual adjustment for accurate color representation.
- **Noise Reduction:** Built-in microphones offer Weak, Medium, and Strong noise reduction settings.
- **Radio Distance:** Adjust microphone pickup range (Close, Standard, Far) for different environments.

Outstanding Low-Light Performance


Illuminate Your Look, Even in Low Light.




Dual Native ISO




2.9 μm Pixels Size



12 Bit Color Range



F/1.8 Aperture



Other Webcam

OBSBOT Tiny SE

Figure 7: A side-by-side comparison illustrating the superior low-light performance of the OBSBOT Tiny SE.

3.5 Shooting Modes

The webcam supports various shooting orientations, automatically adjusting the screen based on the machine's placement:

- Horizontal
- Portrait
- Upside-down

3.6 Privacy Features

For enhanced privacy, the OBSBOT Tiny SE can be configured to automatically point its head downwards when not in use. You can set the sleep time delay (e.g., 30s, 1min, 2min, 10min) before it enters this privacy mode.

4. COMPATIBILITY

The OBSBOT Tiny SE is designed for universal compatibility with a wide range of operating systems and software platforms:

- **Operating Systems:** Windows 10 or later, MacOS 11 or later.
- **Conferencing & Streaming Software:** Zoom, Teams, Google Meet, Skype, YouTube, Twitch, TikTok Live, Stream Deck, OBS Studio, Discord, and more.
- **Integrations:** Supports global hotkey control, OSC, and API integrations.

Expand Your Tiny SE

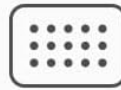
Support for Various Live Streaming Software and Hardware.



OSC



API



Stream Deck



Global Hotkey



More

Figure 8: Logos of popular platforms and software compatible with the OBSBOT Tiny SE.

5. SPECIFICATIONS

Feature	Detail
Brand	OBSBOT
Model Name	TINY SE

Photo Sensor Technology	CMOS
Video Capture Resolution	1080P@100FPS and 720P@150FPS
Effective Still Resolution	2 MP
Maximum Aperture	1.8 f
Connectivity Technology	USB
Special Feature	Pro AI Tracking (Zone/Body Part Tracking), 1080P@100FPS, Gesture Control, Customizable Presets, Low Light Performance (Dual ISO/Staggered HDR/2.9 µm Pixels)
Focus Type	Auto Focus
Digital Zoom	4 x
Item Weight	1.5 Grams
Has Image Stabilization	Yes
Shooting Modes	Horizontal, Portrait, Upside-down

6. TROUBLESHOOTING

6.1 Focus Issues

If the camera struggles to focus on small objects, ensure the 'Auto Focus Mode' in the OBSBOT Center App is set to 'Global' instead of 'Face'. This allows the camera to focus on the entire scene rather than prioritizing a face.

6.2 HDR Limitations

When enabling HDR, the frame rate will be limited to 60FPS at 1080P/720P resolutions. If you experience overexposure or underexposure with HDR enabled, adjust the 'Compensation' slider or manually configure 'Shutter Speed' and 'ISO' settings in the OBSBOT Center App for optimal results.

6.3 Green Screen Pixelation

Pixelation issues with a green screen are often due to insufficient or uneven lighting. Ensure your green screen is well-lit to allow the software to effectively remove the background.

7. WARRANTY AND SUPPORT

The OBSBOT Tiny SE comes with a 1-Year Warranty. For technical support, firmware updates, or additional resources, please visit the official OBSBOT website.

8. PRODUCT VIDEOS

OBSBOT Tiny SE 100FPS Webcam Overview

Your browser does not support the video tag.

Detailed overview of the OBSBOT Tiny SE 100FPS Webcam, highlighting its features and capabilities.

Is OBSBOT Tiny SE 1080P 100FPS Webcam Worth It?

Your browser does not support the video tag.

A comprehensive review assessing the value and performance of the OBSBOT Tiny SE 1080P 100FPS Webcam.

This AI Webcam Follows You PERFECTLY

Your browser does not support the video tag.

Demonstration of the AI tracking capabilities of the OBSBOT Tiny SE, showing how it follows the user seamlessly.

OBSBOT Tiny SE - Small But Brilliant Face-Tracking Webcam

Your browser does not support the video tag.

An in-depth look at the compact size and brilliant face-tracking features of the OBSBOT Tiny SE webcam.

Obsbot Tiny SE Webcamera

Your browser does not support the video tag.

A video showcasing the OBSBOT Tiny SE webcam in action, highlighting its various functionalities.

Motion Track Testing OBSBOT Tiny SE AI Webcam

Your browser does not support the video tag.

A test of the motion tracking capabilities of the OBSBOT Tiny SE AI Webcam.