

# WUNDERBAR 2

79068-WB2 User Manual

## WB2

### Wunderbar All-in-One Conferencing Bar



**All Rights Reserved**

**Version: 79068-WB2\_2025V1.0**

# WUNDERBAR 2

## 79068-WB2 User Manual

### Preface

Read this user manual carefully before using the product. The pictures shown in this manual are for reference only. Different product model specifications may vary.

This manual is only for operation instructions, please contact the local distributor for maintenance assistance. The functions described in this version were updated in March 2025. In order to continue improving the product, we reserve the right to make function or parameter changes without notice or obligation. Please refer to the dealers for the latest details.

### FCC Statement

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. It has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial installation.

Operation of this equipment in a residential area is likely to cause interference, in which case the user, at their own expense, will be required to take whatever measures may be necessary to correct the interference.

Any changes or modifications not expressly approved by the manufacturer would void the user's authority to operate the equipment.



# WUNDERBAR 2

## 79068-WB2 User Manual

### Precautions

This product should only be used under the specified conditions to prevent damage to the camera:

- Do not expose the product to rain or moisture.
- To reduce the risk of electric shock, do not open the casing. Installation and maintenance should only be performed by qualified technicians.
- Do not use the product outside the specified temperature, humidity, or power supply limits.
- Clean the camera with a soft, dry cloth. If heavily soiled, use a diluted neutral detergent. Do not use solvents, as they may damage the surface.

### Electrical Safety

The installation and use of this product must strictly comply with local electrical safety standards.

### Transportation

Avoid excessive stress, vibration, or moisture during transportation, storage, installation, and operation.

### Installation

- Do not forcibly rotate the camera head, as this may cause mechanical failure.
- Place the product on a stable desk or other horizontal surface. Do not install it at an angle, as this may result in a tilted image.
- Ensure there are no obstacles within the rotation range of the holder.
- Do not power on the device until installation is fully completed.

### Do Not Dismantle the Camera

Unauthorized modifications or dismantling are not covered under warranty.

### Magnetic Interference

Electromagnetic fields at certain frequencies may affect the video image. This product is classified as Class A and may cause radio interference in household environments. Appropriate measures should be taken if necessary.

### Table of Contents

<b>1. Product Introduction .....</b>	<b>4</b>
1.1. Features.....	4
1.2. Package List.....	5
<b>2. Specifications.....</b>	<b>6</b>
<b>3. Dimensions .....</b>	<b>8</b>
<b>4. Quick Start .....</b>	<b>9</b>
4.1. Interfaces.....	9
4.2. Device Startup.....	9
4.2.1. Power On.....	9
4.2.2. Status Indicator Light.....	9
4.3. Video Output.....	10
4.4. Audio Input.....	10
4.5. Audio Output.....	10
<b>5. How to Use .....</b>	<b>11</b>
5.1. Remote Control.....	11
5.2. Menu Setting.....	13
5.2.1. Main Menu.....	13
<b>6. Maintenance and Troubleshooting .....</b>	<b>20</b>
6.1. Maintenance.....	20
6.2. Troubleshooting.....	20
<b>7. Copyright Statement.....</b>	<b>21</b>

# WUNDERBAR 2

## 79068-WB2 User Manual

### 1. Product Introduction

Ideal for small and medium conference rooms, the Wunderbar includes everything necessary for practical video-conferencing in a single, convenient package. With easy installation in mind, the Wunderbar can be mounted on a wall or table and can connect to a videoconferencing PC via a single USB 3.0 cable.

The Wunderbar's UHD camera dynamically tracks speakers to keep them in frame, and features an ultra-wide field of view for stunning, reliable video. An array of microphones guarantees clear, full audio recording from anywhere in the room. Featuring three incredible technologies in one, the Wunderbar offers unmatched quality, convenience, and sophistication for an incredibly cost-effective price.

#### 1.1. Features

With an all-in-one design, this device integrates a 4K UHD camera, microphone array, high-fidelity speaker, and an electric privacy cover. It features advanced functions such as face recognition, voice localization, voice tracking, and intelligent noise reduction. The device automatically adjusts the image size based on the number of participants, ensuring the optimal frame. Additionally, it can detect the speaker's position in real time, lock onto the target, and provide a close-up, enabling hands-free operation.

Equipped with a six-microphone MEMS array, this device also supports external cascading microphones. Combined with an advanced 3A audio algorithm, it delivers an exceptional full-duplex communication experience.

- **Integrated Design:** Built-in 4K UHD camera, microphone array, high-fidelity speaker, and electric privacy cover.
- **Ultra HD:** Features an 8 MP high-quality CMOS image sensor, capable of capturing 4K ultra-HD images with exceptional resolution and clarity.
- **Distortion-Free Wide-Angle Lens:** The 120° wide-angle lens ensures that all participants remain in the frame without the need for camera adjustments.
- **Automatic Privacy Cover:** The privacy cover automatically closes to ensure security and confidentiality.
- **Microphone Array:** The built-in six-microphone array enables real-time speaker tracking, breaking distance limitations to provide a virtual meeting experience as if you were there.
- **Built-in Speaker:** Dual 10W high-quality studio speakers ensure that every participant can hear and be heard clearly.
- **Advanced Audio Processing:** Features a high-fidelity 48K audio sampling rate, lossless audio transmission, and support for AEC (Acoustic Echo Cancellation), AGC (Automatic

# WUNDERBAR 2

## 79068-WB2 User Manual

Gain Control), and ANS (Active Noise Suppression), delivering high-quality full-duplex calls within a six-meter range.

- **Auto Framing:** The built-in face detection algorithm automatically detects participants and optimally adjusts framing.
- **Bluetooth 5.0:** Connects to mobile phones and other devices via Bluetooth, functioning as both a Bluetooth speaker and microphone.
- **Low Noise & High SNR:** The low-noise CMOS sensor ensures an ultra-high signal-to-noise ratio (SNR). Advanced 2D and 3D noise reduction technology further minimizes noise while maintaining image clarity.
- **Powerful Compatibility:** Compatible with Windows 7, Windows 10, and macOS 10.10 or higher, and supports major cloud-based video conferencing platforms.

### 1.2. Package List

- All-in-one video bar
- USB cable
- Remote control
- Quick start guide
- Power adapter

**Note:** Please contact your distributor immediately if any damage or defect in the components is found.

# WUNDERBAR 2

## 79068-WB2 User Manual

### 2. Specifications

Camera	
Lens	<b>FOV:</b> 120 ° (D)/106 ° (H)/72° (V)
	<b>Iris:</b> F2.0
	<b>Focal Length:</b> 1.89mm
	<b>Digital Zoom:</b> 10X
Sensor	High-quality CMOS sensor with 8 million effective pixels, 16:9 aspect ratio.
Image	<b>Minimum Illumination:</b> 0.5Lux
	<b>DNR:</b> 2D&3D
	<b>Focus:</b> Auto/Manual
	<b>BLC:</b> On/Off
	<b>Exposure:</b> Parameters can be adjusted, and AE (Auto Exposure) is supported.
	<b>Video Adjustment:</b> Brightness, sharpness, saturation, contrast, white balance, gain, anti-flicker, low brightness compensation, and other parameters are adjustable.
	<b>SNR:</b> ≥50dB
Video Format	<b>HDMI:</b> 4K@30fps, 1080p@60fps, backward compatible. <b>USB:</b> 4K@30fps, 1080p@60fps, backward compatible.
Video Compression Format	MJPEG, YUY2, H.264, H.265, NV12
Privacy Cover	The automatic privacy cover closes when there is no image output and opens when an image is being output.
Audio	
Microphone	<b>Microphone:</b> 6 X MEMS Microphones
	<b>Pickup Distance:</b> 6 meters
	<b>Frequency Response:</b> 120Hz–16kHz
Speaker	<b>Speaker:</b> Built-in dual speakers.
	<b>Voltage:</b> 2*10W
	<b>Output Voice Pressure:</b> 80±3dB 1.0M/1.0W
	<b>Frequency Response:</b> 100Hz-20KHz
Audio Processing	AEC, AGC, ANS

# WUNDERBAR 2

## 79068-WB2 User Manual

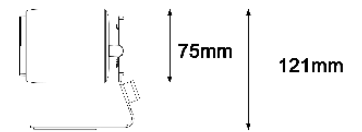
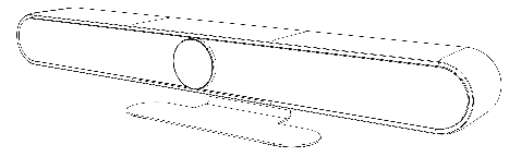
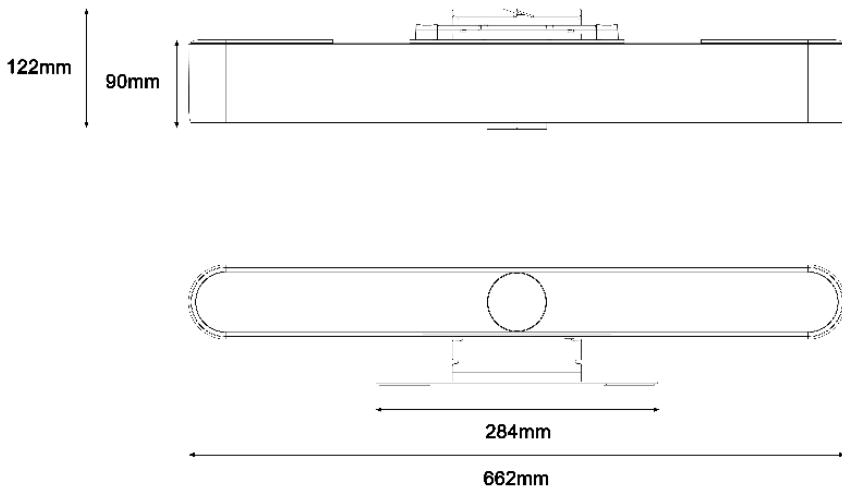
AI Function	
<b>Group Framing</b>	Automatically adjusts the screen size based on the number of participants to provide the best framing.
<b>Speaker Tracking</b>	Tracks each speaker in real time and ensures they remain centered on the screen.
Remote Control	
<b>Remote Control</b>	Infrared remote control
Physical Interfaces	
<b>USB</b>	USB 3.0 audio and video output interface, Type-C. Supports UVC 1.1, UAC 1.0, and higher.
<b>HDMI</b>	HDMI video output interface, also compatible with the HDMI 2.0 standard.
<b>LINE IN</b>	3.5mm audio line input interface (the audio input automatically switches to the external pickup when connected).
<b>LINE OUT</b>	3.5mm line output, can be connected to external speakers (audio output automatically switches to external speakers when connected).
<b>Expansion Mic Interface</b>	RJ45 interface, capable of connecting to an expansion microphone.
<b>Power Interface</b>	HEC3800 power socket (DC12V), input AC 110V-220V, output DC 12V/2.5A.
Indicator	
<b>Bar-shaped Indicator</b>	While displaying the working status, it can also light up where the speaker's voice is coming from.
Bluetooth	
<b>Bluetooth 5.0</b>	It can be connected to a mobile phone or other devices via Bluetooth, functioning as both a Bluetooth microphone and speaker.
Compatibility	
<b>Available System</b>	Windows 7, Windows 8, Windows 10, macOS, Linux, and Android.
Power Supply Method	
<b>Method</b>	Power is supplied through the power adapter.

# WUNDERBAR 2

## 79068-WB2 User Manual

Working Condition	
Storage Temperature	-10°C ~ +70°C
Storage Humidity	20% ~ 95%
Working Temperature	-10°C ~ +50°C
Working Humidity	20% ~ 80%
Environment	Indoor
Installation Method	
Wall Mount	Comes with a wall mount bracket. When mounting, the camera should be as close to the wall as possible.
Desktop Mount	Comes with a desktop mounting bracket.
Monitor Mount	Bracket for monitor installation (optional).

### 3. Dimensions



# WUNDERBAR 2

## 79068-WB2 User Manual

### 4. Quick Start

#### 4.1. Interfaces

Installation Method	
<b>USB</b>	USB Type-C audio and video input/output
<b>HDMI</b>	HDMI video output
<b>LINE IN</b>	Audio linear input
<b>LINE OUT</b>	3.5mm linear output
<b>Extension Mic</b>	RJ45 extension microphone
<b>Power Jack</b>	HEC3800 power socket (DC 12V), input AC 110V-220V, output DC 12V/2A

#### 4.2. Device Startup

##### 4.2.1. Power On

Connect the device to a power socket using the DC 12V power adapter.

##### 4.2.2. Status Indicator Light

<b>Green lights continuously move from left to right.</b>	Boot initialization in progress.
<b>Blinking blue lights.</b>	In Bluetooth pairing mode.
<b>Lights turn blue and stay on for 3 seconds.</b>	Bluetooth pairing finished.
<b>Solid green light.</b>	Working status: <ul style="list-style-type: none"><li>• When Auto-Framing &amp; Voice Tracking are turned off, all lights turn green.</li><li>• When Auto-Framing &amp; Voice Tracking are turned on, partial lights turn green.</li></ul>
<b>Blinking green light.</b>	Standby status (Device on without video).
<b>Solid red light.</b>	Microphone muted.
<b>Green indicator light on/off.</b>	Volume up/down.
<b>Partial lights turn green.</b>	Partial lights turn green according to the voice source.

# WUNDERBAR 2

## 79068-WB2 User Manual

### 4.3. Video Output

**USB:** Connect the device to a PC via a USB cable, then open the video software and select the device for output.

**HDMI:** Connect the device to a monitor via an HDMI cable, then select the correct input source on the monitor for output.

### 4.4. Audio Input

**Built-in microphone:** By default, the device captures audio through the built-in microphones.

**3.5mm audio input:** Connect an external pickup via a 3.5mm audio cable. (When an external pickup is connected, the device automatically switches to the external pickup for audio input.)

### 4.5. Audio Output

**Built-in speaker:** By default, the device outputs audio through the built-in speaker.

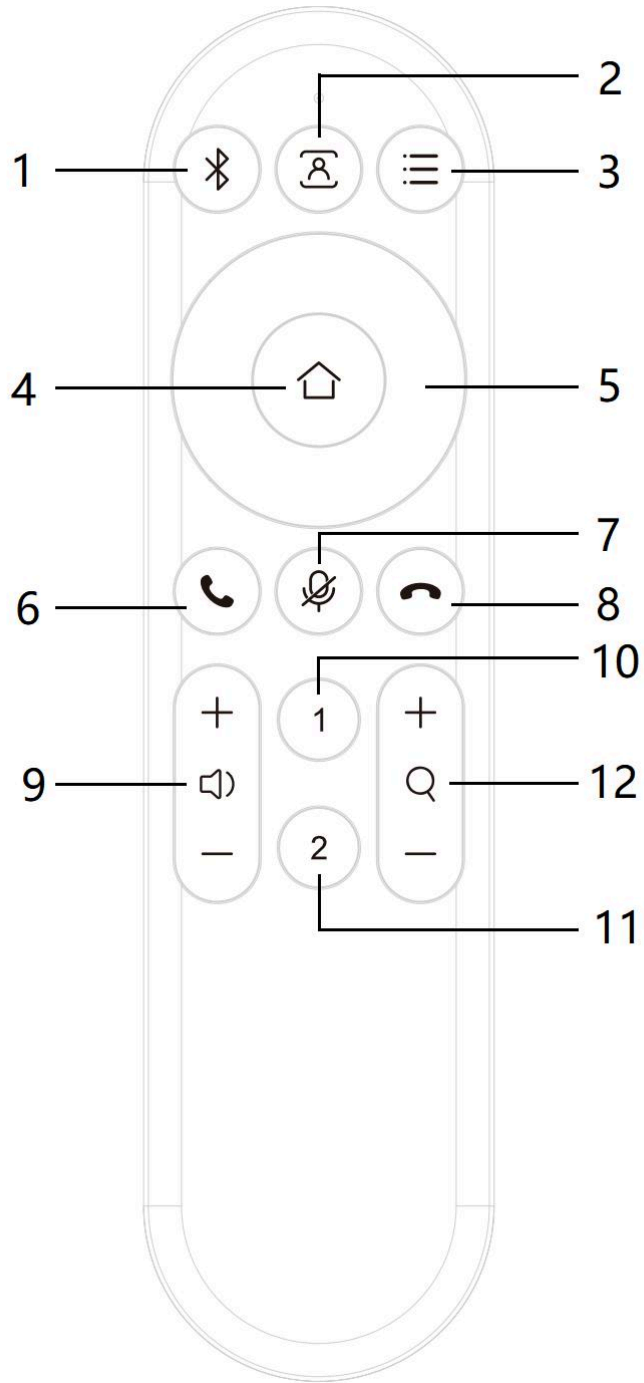
**3.5mm audio output:** Connect an external speaker via a 3.5mm audio cable. (When an external speaker is connected, the device automatically switches to the external speaker for audio output.)

# WUNDERBAR 2

## 79068-WB2 User Manual

### 5. How to Use

#### 5.1. Remote Control



# WUNDERBAR 2

## 79068-WB2 User Manual

Number	Function Description	Detailed Description
1	<b>Bluetooth</b>	<ul style="list-style-type: none"><li>• Pairing mode: Hold the Bluetooth button for 3 seconds. The blue light will start flashing.</li><li>• Pairing successful: When the device successfully connects to a mobile phone or laptop, the light changes from flashing blue to solid green.</li><li>• Disconnect: While in Bluetooth connection mode, hold the Bluetooth button for 5 seconds to disconnect from the paired device.</li></ul> <b>Note:</b> If no device is connected within 30 seconds, Bluetooth will automatically turn off.
2	<b>Auto Framing &amp; Voice Tracking</b>	Click the button to display a prompt in the upper left corner of the screen: "Auto Frame: ON" or "Auto Frame: OFF."
3	<b>Menu</b>	Click the menu button to enter the submenu for function settings and modifications.
4	<b>HOME</b>	<ul style="list-style-type: none"><li>• The HOME button is used for function confirmation, settings, and modifications.</li><li>• In sleep mode, press the HOME button to wake up the device.</li><li>• After manual zooming, pressing the HOME button restores the image to its original position.</li></ul>
5	<b>Up, down, left, right</b>	Click the directional buttons to adjust the position
6	<b>Answer call</b>	If the device is in Bluetooth mode, click the button to answer an incoming call.
7	<b>Microphone muted</b>	When the device is connected via Bluetooth and you receive an incoming call, press the button to mute the microphone. The device's indicator light will turn red. Press the button again to unmute.
8	<b>Reject the incoming call</b>	When the device is connected via Bluetooth, press the button to reject an incoming call.
9	<b>Volume up/down</b>	Press the button to adjust the speaker volume.
10	<b>Set/call out preset #1</b>	Press and hold the button for 3 seconds to set a preset. Press it short to call out the preset.
11	<b>Set/call out preset #2</b>	Press and hold the button for 3 seconds to set a preset. Press it short to call out the preset.
12	<b>Zoom in/out</b>	Press the button to zoom in or out on the image.

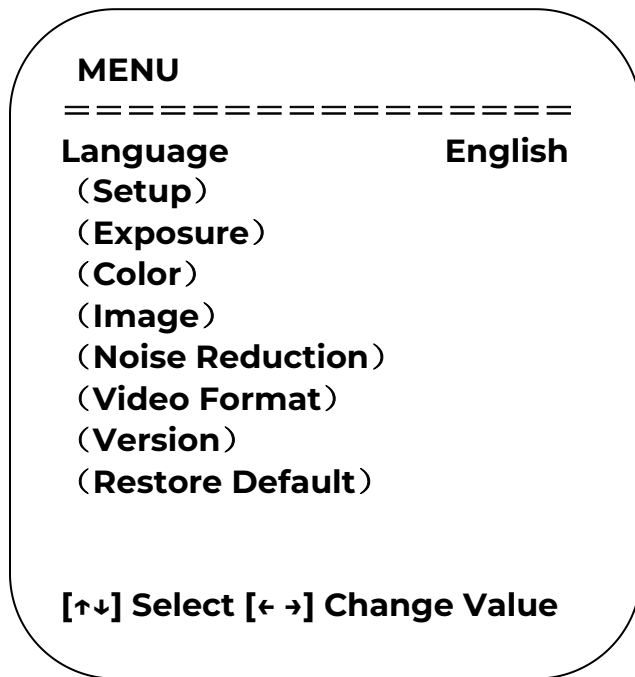
# WUNDERBAR 2

## 79068-WB2 User Manual

### 5.2. Menu Setting

#### 5.2.1. Main Menu

Press the menu key on the remote control, then use the arrow keys to highlight the desired item.



#### 1) Language

Move the arrow to (Language), then press **【← →】** to change the option.

# WUNDERBAR 2

## 79068-WB2 User Manual

### 2) Setup

Move the arrow to (Setup), then press **【HOME】** to open the SETUP page.

#### SETUP

=====	
<b>Image Style</b>	<b>Default</b>
<b>Auto Framing</b>	<b>Close</b>
<b>Auto Framing Sen</b>	<b>Medium</b>
<b>Voice Location</b>	<b>Close</b>
<b>Location Sen</b>	<b>Medium</b>
<b>Max Framing</b>	<b>5X</b>
<b>Locate Mode</b>	<b>Smart Mode</b>
<b>Prompt Info</b>	<b>Close</b>
<b>Menu Mirror</b>	<b>Close</b>
<b>Transfers Mode</b>	<b>BULK</b>

**[↑↓] Select [← →] Change Value**

**Image Style:** Default/standard/clear/bright/soft

**Auto Framing:** On/off

**Auto Framing Sen:** high/medium/low

**Max Framing:** 3X/5X/10X

**Voice Tracking:** on/off

**Voice Tracking Sen:** high/medium/low

**Locate Mode:** Smart mode/pan mode/movie mode/discussion mode

**Prompt Info:** On/off

**Menu Mirror:** On/off

**Transfers Mode:** Bulk/synchronization

# WUNDERBAR 2

## 79068-WB2 User Manual

### 3) Exposure

Move the arrow to (Exposure), then press **【HOME】** to enter the EXPOSURE page.

EXPOSURE	
=====	
Mode	Auto
EV	OFF
BLC	OFF
Flicker	50Hz
G.Limit	6
DRC	4

**[↑↓] Select [← →] Change Value**

**Exposure mode:** Auto/manual/shutter priority/bright priority

**Exposure Compensation (EV):** On/off

**Compensation Level:** -7 – 7 (only available in EV mode on)

**BLC:** On/off (only available in auto mode)

**Anti-Flicker:** 50Hz, 60Hz, off (only available in auto, iris priority, bright priority mode)

**Gain Limit:** 0 – 15 (only available in auto, iris priority, bright priority mode)

**Dynamic Range:** 1 – 8, off

**Shutter Priority:** 1/30, 1/50, 1/60, 1/90, 1/100, 1/120, 1/180, 1/250, 1/350, 1/500, 1/1000, 1/2000, 1/3000, 1/4000, 1/6000, 1/10000 (only available in manual and shutter priority mode)

**Bright:** 0 – 23 (only available in bright priority)

# WUNDERBAR 2

## 79068-WB2 User Manual

### 4) Color

Move the arrow to (color), and press **【HOME】** to enter the COLOR page.

**COLOR**  
=====

<b>WB Mode</b>	<b>Auto</b>
<b>RG Tuning</b>	<b>0</b>
<b>RW Tuning</b>	<b>0</b>
<b>Saturation</b>	<b>100%</b>
<b>Hue</b>	<b>4</b>
<b>AWB Sensitivity</b>	<b>High</b>

**[↑↓] Select [← →] Change Value**

**WB Mode:** Auto/manual/one-push/specified temperature

**RG Tuning:** -10 ~ 10

**Blue Tuning:** -10 ~ 10

**Saturation:** 0 ~ 127

**Hue:** 0 ~ 8

**AWB Sensitivity:** High/medium/low (only available in auto mode)

# WUNDERBAR 2

## 79068-WB2 User Manual

### 5) Image

Move the arrow to (image), and press **【HOME】** to enter the IMAGE page.

#### IMAGE

=====

<b>Brightness</b>	<b>7</b>
<b>Contrast</b>	<b>7</b>
<b>Sharpness</b>	<b>5</b>
<b>Flip-H</b>	<b>OFF</b>
<b>Flip-V</b>	<b>OFF</b>
<b>B&amp;W-Mode</b>	<b>Color</b>
<b>Gamma</b>	<b>Default</b>
<b>Low-Light Mode</b>	<b>Close</b>

**[↑↓] Select [← →] Change Value**

**Brightness:** 0 ~ 14

**Contrast:** 0 ~ 14

**Sharpness:** 0 ~ 15

**Flip-H:** On/off

**Flip-V:** On/off

**B&W-Mode:** Color/B&W

**Gamma:** Default, 0.34, 0.39, 0.47, 0.50

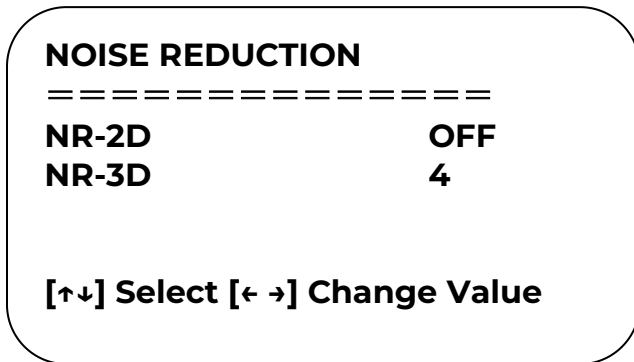
**Low-Light Mode:** On/off

# WUNDERBAR 2

## 79068-WB2 User Manual

### 6) Noise Reduction

Move the arrow to (Noise Reduction), and press **【HOME】** to enter the NOISE REDUCTION page.

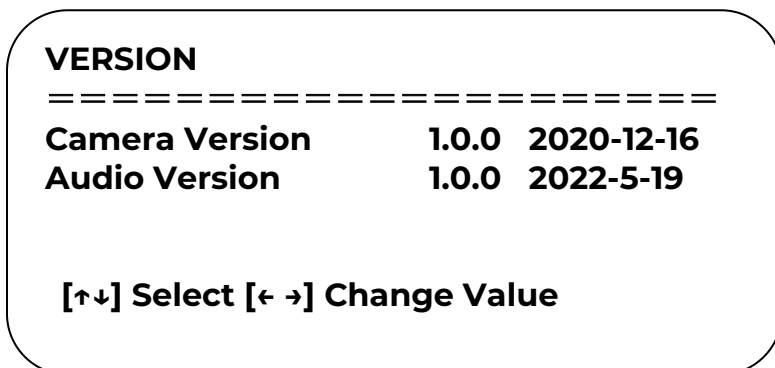


**2D NR:** Auto, manual 1 ~ 7

**3D NR:** Off, 1 ~ 8

### 7) Version

Move the arrow to (version).

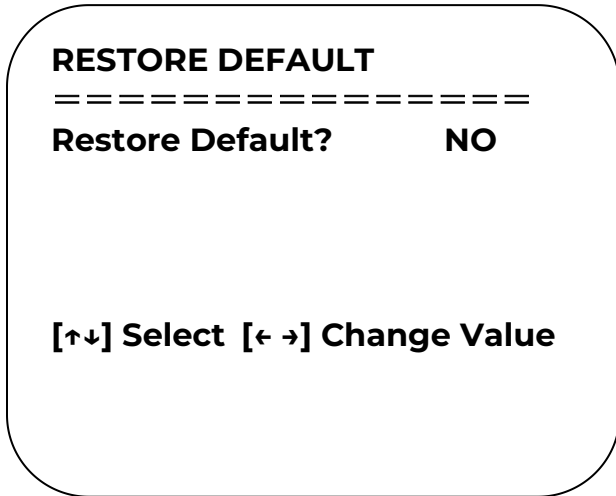


# WUNDERBAR 2

## 79068-WB2 User Manual

### 8) Restore Default

Move the arrow to (restore default), and press **【HOME】** to enter the RESTORE DEFAULT page.



**Restore default?** Yes/No (Color style and video format will not be restored)

## 6. Maintenance and Troubleshooting

### 6.1. Maintenance

- 1) If the camera will not be used for a long time, turn off the power switch.
- 2) Use a soft cloth or lotion-free tissue to clean the camera body.
- 3) Use a soft, dry, lint-free cloth to clean the lens. If the camera is very dirty, clean it with a diluted neutral detergent. Do not use any solvents or harsh detergents, as they may damage the surface.

### 6.2. Troubleshooting

#### 1) No image

- a. Check whether the power cord is connected, the voltage is correct, and the POWER indicator is on.
- b. Check if the camera performs a “self-test” after startup.
- c. Ensure that the rotary dial on the rear is functioning properly.
- d. Verify that the HDMI cable is connected correctly.

#### 2) The image is shaky or vibrating

Check whether the video output and video monitor cable are functioning properly.

#### 3) The remote controller does not control the camera

- a. Ensure that the battery in the remote control is inserted correctly and fully charged.
- b. Check whether the device is operating normally.
- c. Verify that the menu has been exited. The remote control will only work after exiting the menu. If an image is output via the webpage, the menu will not be displayed. In this case, the menu will automatically exit after 30 seconds of inactivity, allowing the remote control to function normally.

### **7. Copyright Statement**

All the contents in this manual and its copyright are owned by the company. No one is allowed to imitate, copy, or translate this manual without the company's permission. This manual contains no guarantee, standpoint expression or other implies in any form. Product specifications and information in this manual are for reference only and are subject to change without notice.

All rights reserved. No reproducing is allowed without acknowledgment.