ZEBRONICS Zeb-Crystal Clear

Zebronics Zeb-Crystal Clear Web Camera User Manual

Model: Zeb-Crystal Clear

PRODUCT OVERVIEW

Introducing the ZEB-Crystal Clear Webcam, ideal for crisp video calls, streaming, and online meetings. This high-resolution webcam offers smooth 30 FPS video at 640 x 480 resolution, ensuring clear visuals every time. Equipped with a built-in microphone, it delivers clear audio alongside video. The 3P lens and automatic white balance enhance image clarity, even in varied lighting. A convenient LED light with a manual on/off switch ensures visibility in dim environments. With a 1.3m cable and USB interface, setup is effortless and flexible.

Figure 1: Front view of the Zebronics Zeb-Crystal Clear Web Camera, showcasing its compact design and lens.

Key Features

- **Automatic White Balance:** The ZEB-Crystal Clear webcam auto-adjusts to lighting conditions for natural, true-to-life color output.
- **Cable Length:** A 1.3-meter cable offers flexible placement on monitors, desks, or tripods.
- **30 FPS:** Delivers smooth and lag-free video at 30 frames per second for seamless communication.
- **Quality Resolution:** Captures VGA-quality (640x480) video suitable for casual calls, classes, and basic streaming.
- **Built-in Mic:** Includes a built-in microphone for clear voice capture without external devices.
- **3P Lens:** Equipped with a 3P lens to enhance sharpness and reduce image distortion.
- **LED Light:** Features a user-controlled LED light with a manual On-Off switch to improve visibility in low-light settings.
- **USB Interface:** Plug-and-play USB connectivity ensures easy setup without additional software.

SETUP GUIDE

Package Contents

Ensure all items are present in the package:

- Webcam: 1 Unit

Connecting the Webcam

1. **Placement:** Position the webcam securely on top of your monitor, laptop screen, or a flat surface using its integrated clip-on design. The clip is designed for ease of mounting.

Figure 2: The webcam's clip-on design allows for easy and secure mounting on various displays.

2. **USB Connection:** Insert the USB connector of the webcam cable into an available USB port on your computer. The webcam is plug-and-play, meaning no additional software or drivers are typically required for basic functionality.

Figure 3: The USB interface for connecting the webcam to your computer.

3. **System Recognition:** Your operating system should automatically detect and install the necessary generic drivers for the webcam. This process usually takes a few moments.

4. **Verification:** To confirm successful installation, open a video conferencing application (e.g., Zoom, Google Meet, Skype) or your computer's camera application. Select the "ZEB-Crystal Clear" webcam as your video input device.

OPERATING INSTRUCTIONS

Using the Webcam for Video Communication

Once connected, the ZEB-Crystal Clear webcam is ready for use with most video communication and streaming platforms. Simply select it as your preferred camera and microphone input within the application's settings.

Figure 4: The webcam features automatic white balance for natural colors and delivers smooth 30 FPS video.

Adjusting Focus

The ZEB-Crystal Clear webcam features a manual focus lens. To achieve the sharpest image:

1. Open your computer's camera application or a video conferencing tool.

2. Gently rotate the lens ring on the front of the webcam clockwise or counter-clockwise.

3. Observe the image on your screen and stop rotating when the picture appears clear and sharp.

Figure 5: Side view of the webcam, highlighting the manual focus ring for image clarity adjustment.

LED Light Control

The webcam is equipped with an LED light to enhance visibility in low-light conditions. A manual on/off switch is provided for control:

- Locate the small switch on the side or back of the webcam.
- Toggle the switch to turn the LED light on or off as needed.

Figure 6: The manual On-Off switch for controlling the integrated LED light.

CARE AND MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the webcam lens and body. Avoid using harsh chemicals or abrasive materials, which can damage the surface.
- **Storage:** When not in use, store the webcam in a clean, dry place away from extreme temperatures and direct sunlight.
- **Handling:** Handle the webcam with care to prevent drops or impacts that could damage internal components.

TROUBLESHOOTING

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

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Webcam not detected by computer.	Loose USB connection, faulty USB port, driver issue.	Ensure the USB cable is securely plugged into a working USB port. Try a different USB port on your computer. Restart your computer. Check Device Manager (Windows) or System Information (macOS) to see if the webcam is listed.
No video or black screen.	Webcam not selected in application, privacy settings, lens cap (if any).	Verify that the ZEB-Crystal Clear webcam is selected as the video input in your application's settings. Check your operating system's privacy settings to ensure applications have permission to access the camera. Ensure there is no physical obstruction on the lens.
Poor or blurry video quality.	Incorrect focus, insufficient lighting, dirty lens.	Manually adjust the focus ring on the webcam until the image is clear. Ensure adequate lighting in your environment. Clean the webcam lens with a soft, dry cloth.
No audio or poor microphone quality.	Microphone not selected, system volume settings, background noise.	Confirm that the ZEB-Crystal Clear webcam's microphone is selected as the audio input in your application's settings. Check your computer's microphone volume and privacy settings. Reduce background noise in your environment.

TECHNICAL SPECIFICATIONS

Feature	Specification
Model Number	Zeb-Crystal Clear
Brand	ZEBRONICS
Connectivity Technology	USB
Video Capture Resolution	480p (640x480)
Frame Rate	30 FPS
Lens Type	3P Lens
Microphone	Built-in
White Balance	Automatic
LED Light	Yes, with manual On-Off switch
Cable Length	1.3 meters
Product Dimensions	5.3 x 6.5 x 4.3 cm

Feature	Specification
Item Weight	60 g
Country of Origin	China

WARRANTY AND SUPPORT INFORMATION

For warranty details and customer support, please refer to the warranty card included with your product or visit the official ZEBRONICS website. Keep your purchase receipt as proof of purchase for any warranty claims.
For technical assistance or further inquiries, please contact ZEBRONICS customer service through their official channels.