How To Use The IVICAM Software

User Guide

Introduction

The IVI 4K camera has inbuilt autofocus, auto exposure, and auto white balance and can be used without additional software. Simply select IVI camera and IVI audio as the preferred camera and microphone in the video and audio selection menu in your virtual communication Software of choice such as Zoom, Teams, Skype or Google Meet.

The IVICAM customised software is designed to maximize the capabilities of the IVI unit's 4K camera. The software offers fine-tuning of the video image and control of the camera in addition to the default autofocus, auto exposure, and auto white balance. This guide provides detailed instructions on how to effectively use the software for video conferencing and desktop production.

Getting Started

Downloading and Installing the Software

- Navigate to the software download section on the my.IVI.com website and follow the Set Up Guide for Windows 11 or Mac OS and download the custom IVICAM software.
- Follow the on-screen instructions to install the software on your computer.

Preparing for a Video Conference

- Start the IVICAM software before your video conference session.
- Ensure the IVI unit is properly connected to your computer.

Selecting the Camera

- Open your video conference application (e.g., Zoom, Teams, Skype, Google Meet).
- Navigate to the video settings or options menu.
- Select the "Virtual iVi Camera" (Windows) or "iViCAM Virtual Cam" in Mac OS as your preferred camera.

Adjusting Image Settings

- Open the IVICAM software's image settings.
- Adjust the brightness, contrast, exposure, auto-white balance, and hue to suit your environment and preferences.

Controlling Camera Settings

- Open the camera settings in the IVICAM software.
- Use the controls to zoom, pan, and tilt the camera as needed.
- If necessary, override the autofocus with manual focus controls.
- Adjust the backlight settings to improve image quality in varying lighting conditions.

- Once the image has been adjusted the settings are saved automatically and will be retained when the IVI device is next used.
- There is a reset option to restore the Image and Camera settings to the default values.

Desktop Production Mode

Switching to Desktop Production Mode

- The desktop production mode in the IVICAM software is available once the app has been launched.
- Choose a video resolution of up to 4K for high-quality recordings.

Additional Features

Using the Green Screen Function

- Activate the green screen function in the software's settings.
- A background image can be selected in both the Windows and Mac OS apps.
- A reset option exists to restore the Green Screen settings to the default values.

Windows Green Screen Function

- The Windows app has a chromakey function. Use progressive keying and fine control to achieve a seamless background replacement in the Windows app. The chromakey function can be refined using the Tolerance, Saturation and Gaussian blur controls.
- The video frame can be scaled and moved in the X-Y direction in the Windows app.
- A foreground Image with an Alpha channel can be selected in the Windows App and positioned with X-Y control in the video frame.

Mac OS Green Screen Function

- The Mac OS has automated AI background removal without keying. A uniform background such as a Green screen, however, further improves the quality of the virtual background replacement.

Recording Videos and Taking Snapshots

- Navigate to the recording options in the IVICAM software.
- Recording of video is only available in Windows 11 if the format selected is NV12.
- Press the record button to start recording a video. Press it again to stop.
- Use the snapshot button to take still photos.

Teleprompter Function

- Activate the teleprompter in the software's settings to assist when recording scripted videos.
- Note that the teleprompter function is only visible to the user and not to other parties during a video conference.
- A reset option exists to restore the Teleprompter settings to the default values.

Troubleshooting

If you encounter issues while using the IVICAM software, refer to the following steps:
- Ensure that your IVI unit is properly connected and detected by your computer.
- Check for software updates on the official website and install any available updates.
- Restart the software and your video conference application.
- Consult the software's help section or contact customer support for further assistance.

This guide should help you utilize the IVICAM software to its full potential, enhancing your video conferencing and desktop production experiences.

Frequently Asked Questions (FAQs)

Q: What should I do if the preview Screen in the Windows IVICAM app is blank?

- A: If the video conference software e.g. Zoom, Teams, Skype or Google Meet has been launched before the IVICAM app, the IVI camera will not be available to the IVICAM software. In this scenario close the IVICAM app, turn off the camera in Zoom or Teams and restart the IVICAM software. Ensure that the selected camera in the video conferencing app is "Virtual iVi Camera (Windows Virtual Camera)" and restart the video.

Q: What should I do if the video conference screen is blank, after using the Mac OS IVICAM app?

- A: If the video conference software e.g. Zoom, Teams, Skype or Google Meet has been launched before the IVICAM app and the "iViCAM Virtual Cam" has been selected, the video conference screen will be blank. In this scenario select the "IVI camera" in the video conference app or restart the IVICAM app and the "iViCAM Virtual Cam" will be activated.

Q: What should I do if the Zoom control fails to function using the Windows IVICAM app?

- A: Typically when a video conference is launched the camera resolution automatically adjusts to 1080p and the Zoom camera control is operational. When the IVICAM app is first launched, however, the default resolution is 4K and the zoom control has no impact at this resolution with the IVICAM app for Windows. Therefore if the Zoom camera control is required in the Desktop Production Mode set the resolution to less than 4K. This restriction does not apply to the Zoom control function in the IVICAM app for Mac OS.

Q: What should I do if the Pan and Tilt controls fail to function?

- A: For the Pan and Tilt camera controls to function the video in the preview screen must be magnified to some extent. Therefore if the Pan and Tilt camera controls are required ensure that the Zoom control is adjusted to more than zero in both the IVICAM app for Windows and Mac OS.

By following this guide, you will be well-equipped to commence using and enjoy the features of the IVICAM app. Please visit our website for more information and support resources.