

AVerMedia HD 1080p Autofocus Webcam PW310P User's Guide

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Introduction

This is your user's guide for the **AVerMedia HD 1080p Autofocus Webcam - PW310P**. It contains all the information you need to get a thorough understanding of the PW310P's features and quality.

The AVerMedia PW310P is a 1080p at 30 fps webcam with autofocus and omnidirectional stereo microphones. It provides professional-grade video quality and features, making it perfect for video calls and remote learning.

Key Features

Full HD 1080p at 30fps

Stream and record high quality video, perfect for video calls and remote learning.

Autofocus lens

Focus on and show objects up close or when moving around with clarity.

Omni-directional stereo microphones

Two built-in stereo microphones, one on each side of the webcam, to capture a wider and more immersive sound field.

Video setting adjustments

Adjust video settings such as brightness, contrast, sharpness, and more, to get the most desirable appearance in any environment.

73° field of view

The 73° field of view is ideal for capturing and focusing on one or two people in-front of the webcam.

Built-in privacy shutter

Prevent unintentional capture and keep yourself protected when the webcam is not in use.

360° swivel

360-degree swivel lets you physically rotate the webcam to the most optimal angle for more flexibility and freedom.

Tripod-ready

Designed with a standard 1/4" thread tripod screw hole in the mount to help you attach to a tripod to show yourself from a more optimal angle with full stability.

USB 2.0 plug-and-play

Powered by a USB 2.0 connection, simply plug the PW310P into your computer to start your call.

System Requirements

Operating system:

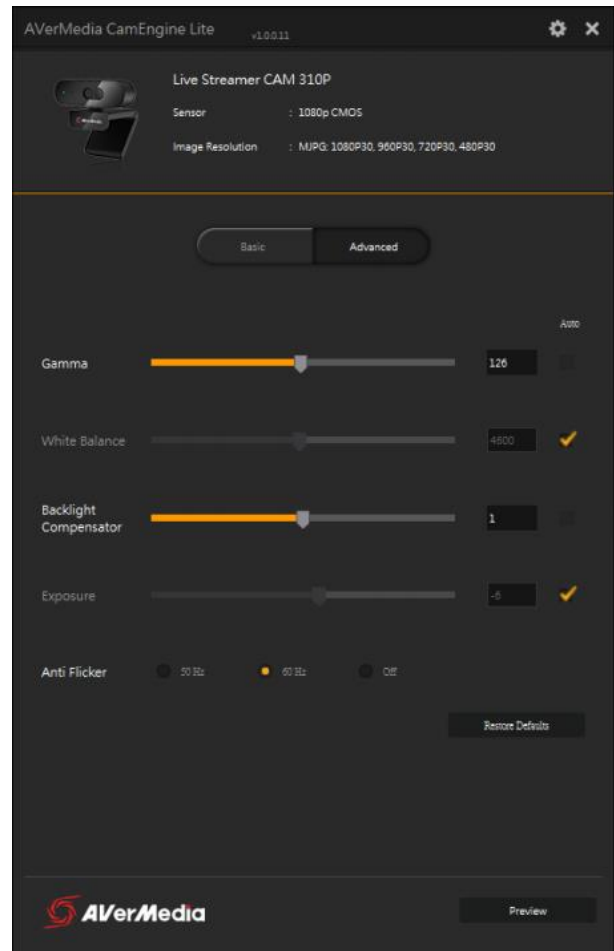
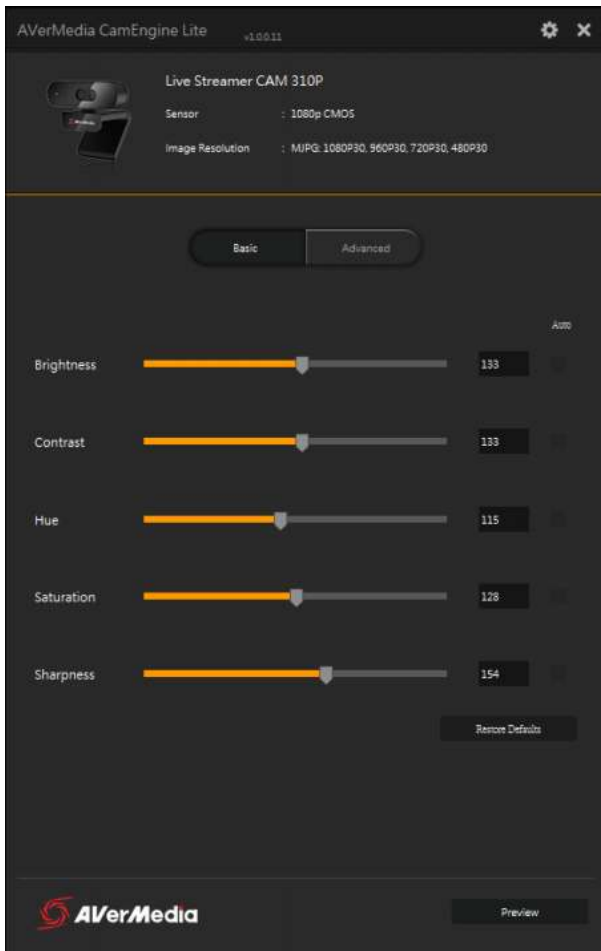
- Windows 7 or above
- macOS 10.14 or above
- Chrome OS 85.0.4183.131 or above

Technical Specifications

Type	USB 2.0 FHD Webcam
Image sensor	1080p CMOS sensor
Maximum resolution/frame rate	1080p/30 fps (up to 1920 x 1080 pixels)
Focus	Autofocus (7cm~Infinity)
Field of view (diagonal)	73°
Video format	MJPEG and YUY2
Response frequency	50Hz-10KHz
White balance	Auto
Auto exposure (AE)	Yes
Microphone	Omni-directional stereo microphones
Supported OS	Windows®, macOS®, Chrome OS™
Dimensions	87 x 47.5 x 49 mm / 3.4 x 1.9 x 1.9 in

CamEngine Lite (Mac)

CamEngine Lite is an app for Mac that provides control over the PW310P’s video settings and offers a preview of the webcam’s video feed. Settings are divided into “Basic” and “Advanced” as shown below.



System requirements

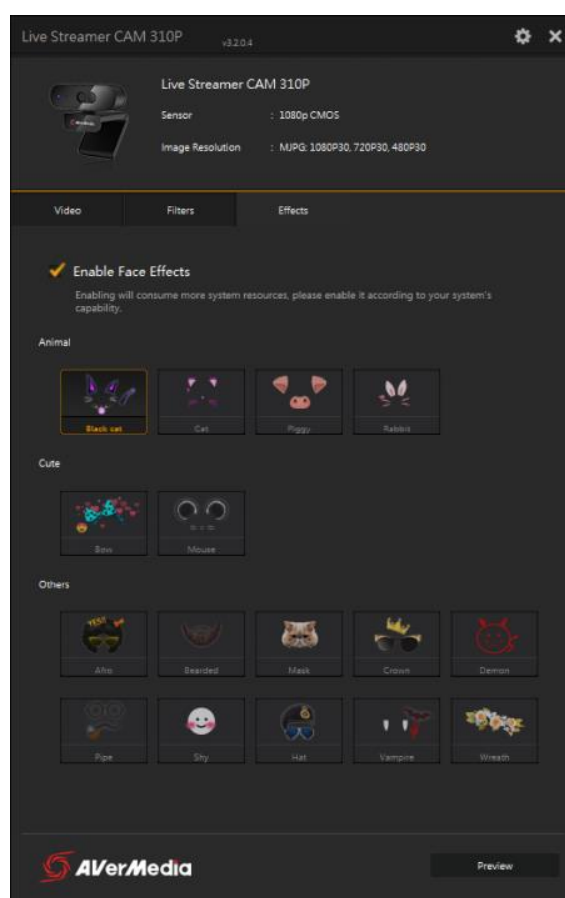
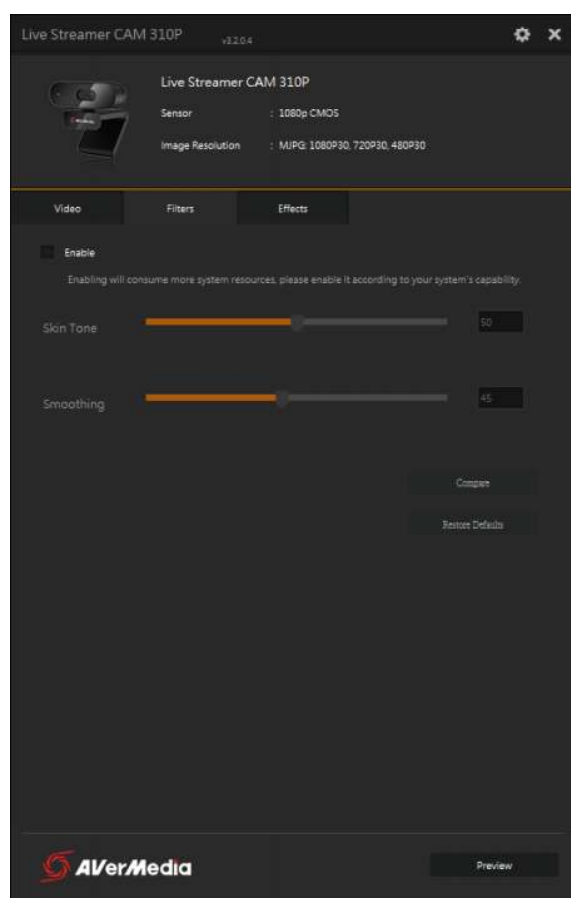
macOS 10.14, 10.15 or above

CamEngine (Windows)

CamEngine for Windows provides the same video setting controls as CamEngine Lite, as well as controls for filters and effects.

Note: Filters and effects consume considerable system resources and may slow down your computer. We recommend you test them before using them in a video call.

Using CamEngine



You will find three tabs containing most of CamEngine’s controls. The ‘Video’ tab contains the video settings found in CamEngine Lite, which are also separated into ‘Basic’ and ‘Advanced’ subtabs. The ‘Filters’ tab contain filters designed to make your appearance look better on video:

- Skin Tone: Adjusting this helps balance and clarify skin tones with the rest of your settings and colors. It isn’t totally necessary if your front lighting is sufficient, but it can be helpful for extra color balancing.
- Smoothing: Apply a soft blur to remove small details that can reduce graininess.

The ‘Effects’ tab contains augmented reality effects that can give you a fun and silly appearance.

Other Features

On the bottom-right of the CamEngine window, there is a 'Preview' button that opens a new window to display what the video feed currently looks like.

Hardware and CamEngine System Requirements

CPU: Intel® Core™ 2 Duo 2.7 GHz or better

RAM: 2GB RAM or more

Contact Us

Please contact us [here](#) should you have any questions or suggestions.

About AVerMedia

Established in Taiwan in 1990, AVerMedia is a leader in Digital Video and Audio Convergence Technology. The company provides cutting-edge, high-quality audio and video peripherals, professional capturing and streaming solutions, and more. AVerMedia is committed to providing rich experiences in content creation, video communication, and collaboration, all delivered via innovative and environmentally-friendly solutions. The company is highly involved in the community and social responsibilities, and it partners with ODMs for the development of AVerMedia's technologies for integrated applications.

