

Cyclopital3D



Cyclopital3D Stereo Base Extender for Panasonic HDC-Z10000

Stereo Base Extender for the Panasonic Z10000



What's in the package:
1 Stereo Base Extender
1-15mm Mounting Clamp
1-15mm Mounting Base

2-15mm 12" carbon fiber rods
2 Lens Covers
2 37mm Rear Caps
*optional lens hoods are available separately

This Stereo Base Extender (SBE) for the Panasonic Z10000 helps you to produce amazing 3D images of more distant subjects by maintaining accurate depth portrayal when you use longer than normal focal lengths. It is especially useful for capturing the action in sporting events, getting up close at concerts, or shooting wildlife while maintaining your distance. Anytime you want to get a close look at your subject without getting too close to it.

The Panasonic Z10000 allows you to “zoom in” increasing the scale of "X" and "Y" up to a factor of ten (10X Zoom). Now, using the Cyclopital3D Stereo Base Extender, you can increase the scale in the "Z" dimension too! The SBE increases the interaxial (lens spacing) by 4 times from 41mm to 164mm. The 4x interaxial makes your subjects appear four times closer than they actually are; if you also zoom to make them four times bigger, then it's like you have moved your camera to a position four times closer.

Using the SBE with lesser values of zoom will add depth to the scene, but the expanded scale in Z can also make the world appear somewhat “miniaturized.” Zooming in without the base extender will make the world look “bigger,” but also “flatter” with less depth, particularly in the subjects themselves. Taken to extreme, zooming without increasing the stereo base can cause “card-boarding,” where the subjects do not show the “roundness” one sees in the real world, instead subjects may look like they are painted on cardboard cutouts.

Errors in the scale of X and Y (errors in the aspect ratio) of an image are clearly visible (and often “disturbing”) with less than a 20% difference in the scale of X vs. Y. Fortunately, our sensitivity to scale errors in the Z dimension is much more “forgiving”. However, as the error in the scale of Z approaches 200% the “artifacts” mentioned above (miniaturization and card-boarding) become more and more apparent.

Having a Z-scale to “play with” is the miracle of 3D cinematography. The SBE gives you an important and much needed tool to address the creative opportunities of 3D depth and opens up a whole new dimension of possibilities!

Event Broadcasters and Film-makers will quickly discover this Stereo Base Extender to be an indispensable addition to their tool kits. Optimal depth portrayal is a major key to achieving fantastic results with 3D film and video and the Cyclopital3D Stereo Base Extender further enables professionals to reach their goals.

Installation:

To install the Stereo Base Extender to the camera you should use the 15mm Rod Mount system included in your package. You must first remove the four small screws from the camera's front bezel; for safe storage, we recommend storing the screws in the front bezel that you removed. The height is adjustable to accommodate different configurations. The height should be adjusted so the SBE fits smoothly over the new bezel.

Tips for use:

- To use the adapter you will need to zoom in until there are no obstructions seen on the sides of the image- you will see the black sides of the adapter until it is appropriately zoomed in.
- This SBE is only needed for subjects farther than about 4m from camera. It is important to remember that your subject should generally be the closest object in the scene. When using the SBE, objects in the foreground closer than 4m could cause excessive deviation and make the image uncomfortable to view in 3D, depending on the background.
- A zoom setting of Z=27 represents the "normal" lens for this camera's sensor size. Zoom values less than 27 are wider than "normal." A zoom of Z=86 represent 4x above the "normal" lens. The Stereo Base Extender should be used with zoom values of Z=75 or greater.

Care and Maintenance:

- Install the front covers on the Stereo Base Extender to protect the front glass of the unit when not in use
- If you drop the Stereo Base Extender it will break. Please treat it with the same care you would give to any expensive camera lens. If the unit sustains impact damage it may be possible to repair it using super glue (cyanoacrylate), which bonds well to the composite material used in its construction.
- If internal mirrors of the unit gets dirty, Cyclopital3D can disassemble the unit and clean them for a small fee.

Warranty

Your adapter comes with a Limited Warranty against defects in workmanship and materials for 30 days from the date of purchase. The limited warranty does not apply if the product has been damaged by accident, mishandling, misuse, abuse, or alteration.