

# Cyclopital3D

## Filter/Close-up Adapter for the Panasonic Z10000



### What's in the package:

- |                           |                   |
|---------------------------|-------------------|
| 1 Filter/Close-up Adapter | 1- 95mm UV Filter |
| 1 Custom Lens Shade       | 1 Front lens cap  |
| 1 86-95mm step ring       | 1 Rear lens cover |

### Cyclopital3D Filter/Close-up Adapter for Panasonic Z10000

Every serious filmmaker and photographer understands the benefits of using polarizers and creative filters. The Cyclopital3D Filter/Close-up Adapter (FCA) for the Panasonic Z10000 camera enables the use of polarizers, filters and auxiliary lenses.

The Cyclopital3D FCA is a four-piece set that expands the capabilities of the Panasonic Z10000 Camcorder by enabling the use of close-up lenses and filters. This unit also helps improve lens clarity by removing the plastic lens cover that comes stock on the camera and replaces it with professional quality glass.

This FCA set enables you to use a round filter or close-up lens. The set also includes a precision designed custom lens shade that perfectly fits the widest field of view of the camera. If professional grade rectangular filters are needed, the unit is compatible with the Century Optics Sunshade with 4x4 pro filter holder.

Most of the optional attachments function the same way in a 3D environment as they do in 2D, with the exception of close-up lenses, which are fundamentally different. In 3D cinematography, the close-up lens increases the range of parallax by allowing the camera to achieve convergence on a subject closer than what is possible without the additional close-up lens. It also increases the common image seen by both lenses, thus reducing the amount of image loss that can limit 3D close-up photography and film-making.

For more information on close-up photography, see the white paper on the "Support and Downloads" page of the Cyclopital3D website, *3D Camera Parallax Adjustments, the Stereo Window, and using Attachments for Close-up Photography*, which can be found at: <http://www.cyclopital3d.com/SUPPORT-AND-DOWNLOADS.html>.

**Features and Benefits:**

- Easily attaches without tools after first use
- 86mm lens ring allows for the attachment of close-up lenses
- Includes 86-95mm step ring for wider coverage when using filters & polarizers
- Improves the camera's image quality by replacing the plastic lens covers on the camera with photographic quality glass-95mm UV filter included.
- Lens shade is custom designed to fit the exact FOV of the camera and helps to improve image contrast by keeping stray light off the lenses
- Lens shade has a small opening on the bottom to allow for filter rotation while still attached to the camera
- Compatible with the Century Optics Sunshade with 4x4 pro filter holder.
- Includes rear lens cover and front lens cap
- Includes 86mm close-up lenses

**Tips for use:**

- To attach the FCA to the camera, you must first remove the manufacturer's front lens bezel by removing the four small screws on the front of the bezel with a cross-point screwdriver.
- The FCA has a thumb screw is for attaching the FCA to the camera. We recommend leaving it on the camera all the time to improve image quality.
- Attach the FCA to camera with the word "Cyclopital3D" on the top and tighten the "thumb-screw" by gently turning it counter-clockwise when viewed from the top of the unit. Only tighten it enough so the adapter doesn't easily come off; the screw won't come to a "hard stop" so be careful not to over-tighten it or it could break
- The use of 95mm lens ring for filters and polarizers is recommended to avoid vignetting
- 86mm close-up lenses are recommended, such the Vivitar Series 1 Close-up lens set

**Care and Maintenance:**

- If you drop the FCA, it will probably break. In some instances, it can be repaired using standard super glue (cyanoacrylate), which bonds well to the composite material used in its construction.

**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.