

TECHNICAL INFORMATION

1-to-1 Lens Adapters

Catalog Nos. EVD49, EVD52, EVD55



INTRODUCTION

SIRCHIE's 1:1 lens adapter features a color corrected lens for sharp, edge-to-edge reproduction. The adapter is threaded in three of the most common lens filter mounts: 49mm, 52mm, and 55mm. This is the ideal accessory for photographing a full range of evidentiary items such as fingerprints, blood spatter, serial numbers, cartridge headstamps, toolmarks, etc. The Lucite® cylinder provides the correct lens-to-subject distance and camera support. *The adapter has been laboratory-tested and found to produce 1:1 images from most 50mm to 55mm focal length SLR lenses.*

THREAD SIZE

To determine thread size, use one of these three methods:

1. Check your lens cap. Most manufacturers print the thread size on the inside of the lens cap (Fig. 1).
2. If you use a filter such as a UV or skylight, the thread size will be printed on it (Fig. 2).
3. Using a metric scale, determine the diameter of the lens at its widest point (Fig. 3).



FIGURE 1



FIGURE 2



FIGURE 3—52mm measure shown.

MOUNTING THE ADAPTER

This lens adapter is designed for use with standard, normal 35mm SLR camera lenses (50mm to 55mm focal length). **NOTE:** Remove any lens filters prior to using the adapter. While holding the camera firmly in one hand, screw the adapter into the lens threads. **DO NOT OVERTIGHTEN!**



1 to 1 Lens Adapter is being attached to the camera.



FIGURE 4—No. EVD52 Lens Adapter attached to camera is used to facilitate a photograph of a developed latent fingerprint on the knife blade. The resultant print is shown to the right at actual size.



USING THE ADAPTER

The Lucite® cylinder/spacer provides the correct distance for achieving a 1:1 ratio. After mounting the adapter to the camera, place the adapter against the object to be photographed. *Be certain to include a scale in your photos.* Turn off the camera's auto-focusing mechanism and manually focus the lens for the sharpest image. If sufficient lighting is available, use the camera's auto-exposure mode. If light is insufficient, use a flash (Fig. 4).

TI02-125ENG-REV3

SIRCHIE®
FINGER PRINT LABORATORIES
Website: www.sirchie.com
E-mail: sirchieinfo@sirchie.com

100 HUNTER PLACE
YOUNGSVILLE, NC 27596 USA
Phone: (919) 554-2244, (800) 356-7311
Fax: (919) 554-2266, (800) 899-8181