



## CamIR Adapter attachment to WinCamD

The CamIR Adapter is designed for use with C-mount systems, imply a distance of 17.512 mm from the flange to the chip. WinCamD has a chip to flange distance of ~7.5 mm.

**Spacers:** To mount the Adapter to the WinCamD requires a 10 mm C-mount spacer and possibly additional thin brass spacers placed between the 10 mm spacer and the IR adapter. When sold with a WinCamD, the Adapter is delivered as a pre-focused assembly with the correct spacers. To purchase them separately, the best source for these is Edmund Industrial Optics:

0.25 to 2 mm Spacers: <http://www.edmundoptics.com/IOD/DisplayProduct.cfm?productid=2012>

5 and 10 mm Spacers: <http://www.edmundoptics.com/IOD/DisplayProduct.cfm?productid=1510>

**Focusing:** The Adapter is focused by rotating the rear focus ring until a re-imaged beam shows the maximum modulation (due to the granular structure of the phosphor converter coat). If the focus is at either end of the adjustment, a different brass spacer ring will be required.

Once focused, it is recommended that the position by marked with (e.g.) White-Out or Liquid Paper, with a mark on the focus ring, adjacent to a mark on the fixed part of the barrel.

### PMF & Gamma:

The magnification of the adapter at the focus position 0.29. The inverse of this must be entered in the **WinCamD Capture Setup** screen.

Also set **Enable IR camera** and set the **Gamma** to **1.41**.

