



DIGI-SCOPING with OLIVON TELESCOPES



Digi-scoping is the art of connecting your digital camera to a telescope to take high quality photographs at high magnification. It's fun, rewarding and with Olivon scopes, it's EASY

Attaching your digital camera.

All Olivon T80, T90, T80-ED and T90-ED use the same system of camera adaptors. The following applies to all of these Olivon models.

There are two types of camera adaptor -

- The STANDARD digital camera adaptor (Olivon DCA)
- The UNIVERSAL digital camera adaptor (Olivon U-DCA)

Use the STANDARD digital camera adaptor (Olivon DCA) if your camera is an SLR (where you can remove the lens) or if the you cannot remove the lens but the lens has a filter thread.

Use the UNIVERSAL digital camera adaptor (Olivon U-DCA) if your camera does not have removable lenses or a filter thread.

Notes :

You can also use the U-DCA for camera with filter threads, the results are the same as a standard DCA, but it's more expensive than the standard DCA.

You can use the U-DCA with SLR's too, but as well as being more expensive than a standard DCA, you'll not be getting the most out of your camera, for SLR's we would strongly suggest the standard DCA.

Olivon Standard DCA – for SLR cameras

(This applies to digital SLR's and also to normal film SLRS.)

You will require a T2 mount to fit your camera. These are not expensive and are available from most camera shops or your Olivon dealer.

1. Attach the DCA to your scope
2. Attach the T2 mount to the 42mm ring (sometimes called T-ring) which is supplied with the DCA, and attach this to the DCA
3. Couple your camera

You can rotate the camera
By loosening the securing screw, turning to position, and re-tightening.

You can remove the camera completely by loosening the securing screw and removing the outer sleeve of the DCA, with the camera attached, completely.
This leaves the inner sleeve in position on the scope – you can now use the scope for normal viewing but quickly re-attach the camera when needed to take photographs.



Olivon DCA
Standard digital camera adaptor

Use the DCA if your camera is an SLR or if it has a filter thread around the lens.



Olivon U-DCA
Universal digital camera adaptor

Use the U-DCA if your camera is not an SLR or if your camera does not have a filter thread around the lens.

Getting the whole picture - Whichever adaptor you use, it is important to ensure that the camera lens is close to the telescope eyepiece otherwise there may be "cut-off" at the corners. If the design of your camera prevents correct alignment, you can usually correct this easily by zooming the camera slightly

Keeping it still – Using a DCA or UDA converts your Olivon scope into a very powerful telephoto lens. As with any telephoto lens it is important to keep the camera very still and a good tripod is a must.

Check out digiscopediary – A great website with great advice on digiscoping. www.digiscopediary.co.uk. It's written by beginners for beginners full of useful hints and tips. If you are using a film SLR, check out the information pdf's on our website www.opticalhardware.co.uk

Olivon Standard DCA

– for cameras with a lens filter thread

(You do not need the 42mm ring supplied with the DCA.)

If your camera filter thread is 52mm, it will couple directly to the DCA, for any other filter size you require a stepping ring (xxx – 52mm) these are not expensive and available from most camera shops or your Olivon dealer
You will require a filter stepping ring

1. Attach the DCA to your scope
2. Attach the stepping ring to the DCA
3. Couple your camera

You can rotate, remove and re-attach the camera quickly and easily

Olivon Universal DCA

1. Attach the U-DCA to your scope
2. Attach the camera to the UDCA platform via the tripod bush
3. You will need to adjust the position of the camera so that the lens is aligned immediately in front of the telescope eyepiece

You can rotate the camera out of the way of viewing by loosening the securing screw, turning to the required position, and re-tightening.

You can swing the camera quickly in and out of position to allow quick switching from observation to photographing



Optical Hardware are the official UK and Eire importers and distributors of Olivon telescopes, binoculars, tripods and accessories

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