

Camera / Scope Options for Swarovski Spotting Scope Photography

provided with permission by Clay Taylor, Naturalist Markets Field Coordinator, SwarovskiOptik, NA.

35mm SLR body (takes Interchangeable Lenses) –

Camera Body + T-mount + TLS 800 Camera Adapter (# 49313) + AT, ST, ATS, or STS spotting scope body

Digital SLR body (takes Interchangeable Lenses)

Camera Body + T-mount + TLS 800 Camera Adapter + AT, ST, ATS, or STS spotting scope body

OR Camera Body + Normal Lens + Step-ring (if needed) + DCA + S eyepiece + AT, ST, ATS, STS scope body

Digital Point-and-Shoot Cameras with fixed-mount (non-interchangeable lenses)

DCA Two Digital Camera Adapter models for cameras that 1) have the lens threaded to accept photo filters, or 2) have a filter adapter ring available from the manufacturer / aftermarket supplier –

For Spotting Scope with 20-60xS eyepiece - **Camera Body + Filter adapter (if needed) + Step-Ring (if needed) + DCA-Zoom (# 49206) + 20-60xS eyepiece + ATS, STS, AT, or ST scope body**

For Spotting Scope with Fixed-Power S eyepiece - **Camera Body + Filter adapter (if needed) + Step-Ring (if needed) + DCA-Fixed (# 49306) + 20xS, 30xS, or 45xS eyepiece + ATS, STS, AT, or ST scope body**

DCB – Two Digital Camera Bracket models for cameras that have no mounting threads available –

Using ATS Scope - **Camera Body + DCB-Angled + eyepiece + ATS scope**

Using STS Scope – **Camera Body + DCB-Straight + eyepiece + STS scope**

NOTES TO ABOVE SETUPS –

35mm Cameras

- **TLS 800** (# 49313) turns the spotting scope into an 800mm telephoto lens and gives superior pictures than the older (discontinued) 800mm (# 49213) and 1100mm (# 49205) Camera Adapter models
- **T-mount** needs to be specific to the camera brand / model number – we stock T-mounts for Nikon, Canon EOS, Canon FD, Minolta MD, Minolta Maxxum, Pentax S, Pentax K, Leica, Olympus OM lenses
- No scope eyepiece is used in the setup, so this is **not** a zoom (variable power) lens
- See Clay Taylor's "SLR Scope Photography" write-up for full details

Digital SLRs

- As of 9/04, Canon D30, D60, 1Ds, 10D, D-Rebel, 20D; Nikon D1, D1x, D1H, D2x; Pentax *istD; plus Fuji and Kodak SLRs taking Nikon lenses. Note that some Nikon and Minolta models will not operate properly with a T-mount lens.
- Same attachment to TLS 800 and operation as a 35mm SLR
- Many Digital SLR bodies will give more magnification than a similar 35mm camera

HOT NEWS! Digital SLR with 50mm (normal) or 18-44mm type-lens will work with the DCA

- Allows Nikon D100, D70, new Konica-Minolta Maxxum 7D to be used with full metering functions
- Any D-SLR can now use the zoom eyepiece of the scope for image magnification

Point-and-Shoot Digital Cameras with non-removable lenses – (true DIGISCOPING)

- These cameras use the scope eyepiece to supply the image magnification
- The camera's zoom lens can then further magnify the image
- The image is viewed by using the camera's LCD view screen
- Top-quality results are only achieved by using an adapter system to hold the camera in place behind the scope eyepiece
- There are two Swarovski adapter systems – Digital Camera Adapter (**DCA**) and Digital Camera Bracket (**DCB**)

DCA – for digital cameras with filter threads

- Can only work on the new "S" Series Swarovski eyepieces
- DCA-Zoom (# 49206) for use on 20-60xS eyepiece, DCA-Fixed (# 49306) for all fixed-power S-eyepieces
- The older 20-60x eyepiece will NOT work with the DCA-Zoom – its barrel diameter is too small
- However, the 20-60xS eyepiece WILL work on the older (AT, ST) scope bodies
- The DCA comes with **threaded filter rings** of 28mm, 37mm, 43mm, 52mm – if the camera's filter size is different, a **step-ring** must be used to connect them – available from a camera store, not Swarovski Optik
- Sturdy, positive lock to eyepiece, Perfect alignment of camera to eyepiece
- While in the field - quick, efficient attachment and removal of camera and DCA assembly to the scope eyepiece

DCB – for virtually all digital cameras

- Two models – DCB Angled for ATS scopes, and DCB-Straight for STS scopes
- Will only work on the new, green-armored "S" series spotting scopes - not the with older, gray AT, ST scope bodies
- Works with any eyepiece, including astronomy eyepieces using Swarovski Astro Eyepiece Adapter (# 629-0307A)
- Camera lifts away from the eyepiece for viewing, locks in place behind eyepiece for photography