

50065 DCC adapter - compatibility with Opticron eyepieces

The following list shows which insert (or set of inserts) are required to fit a particular eyepiece. Prices of recommended eyepieces; HDF T 48010 and HR 40812 are listed in the table below.

50066 ø51	50067 ø45.5	50068 ¹ ø41.5	50069 ² ø33
HDF T 40862	HDF T 40810 HR2 40933 HDF T 40872 HDF T 40809 HDF 40862	HDF 40810 HDF 40809 HR2 40930 HR2 40931	HR 40812 HR 40813 MM2 40903

¹50068 insert only fits in combination with 50067 insert

²50069 insert only fits in combination with 50068 and 50067 inserts

Accessories

Chosen specifically to compliment the camera, cradle mount and DCC adapter, the following accessories are included as part of the kits but can also be supplied separately.

SD memory cards



High quality fast write speed cards specially chosen to compliment R TUNE continuous shooting feature.

Image Storage: Camera setting FINE; (2272x1704 pixels) 256mb / 131exp 512mb / 262exp

Lithium ion battery



Model BP-780S
3.7V 780mAh
Code: 50054

Battery charger kit



Includes mains and 12v in-car charger, carrier for BP-780S battery. Code: 50055

Pricing

Code	Model	SRP inc VAT
50062	SL400R / DCC Kit (256) Kit price includes; SL400R, 50059, 50054, 50055, 50071, 50065, 50066 & 50067	399.00
50074	SL400R / SDL DCC Kit (256) Kit price includes; SL400R, 50059, 50054, 50055, 50071 & 50064	399.00
50063	SL400R / DCC Kit (512) Kit price includes; SL400R, 50059, 50054, 50055, 50073, 50065, 50066 & 50067	419.00
50075	SL400R / SDL DCC Kit (512) Kit price includes; SL400R, 50059, 50054, 50055, 50073 & 50064	419.00
50059	Cradle mount	49.00
50054	Battery BP780 3.7V 780mAh (Energiser or equivalent)	19.99
50055	Digi Charger + carrier	34.99
50071	Kingston Elite Pro 256mb SD (or equivalent)	49.00
50073	Kingston Elite Pro 512mb SD (or equivalent)	69.00
50064	SDL DCC adapter	49.00
50065	DCC adapter	35.00
50066	51mm insert for 50065	5.50
50067	45.5mm insert for 50065	5.50
50068	41.5mm insert for 50065 ¹ 50068 insert only fits in combination with 50067 insert	5.50
50069	33mm insert for 50065 ² 50069 insert only fits in combination with 50068 & 50067 inserts	5.50
Recommended eyepieces		
40810	HDF T	129.00
40812	HR	57.00

OPTICRON PO Box 370, Unit 21, Titan Court, Laporte Way, Luton, Bedfordshire, LU4 8YR, UK
Telephone: 01582 726522 Facsimile: 01582 723559 E-mail: sales@opticron.co.uk

opticron

KYOCERA

Digital Compact Camera Kits for Telephotography

featuring 50064 SDL DCC Adapter or 50065 DCC Adapter



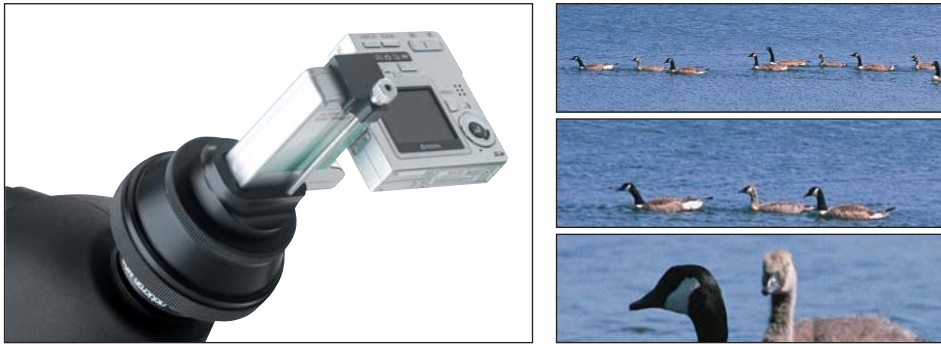
Product Information & User Guide

including Retail Price List

May 2005

The nature of image capture with digital compact cameras means Opticron telescopes can be used as high magnification telephoto lenses for wildlife photography.

Opticron-Kyocera digital compact camera kits are a high quality - easy to use solution to the problem of choosing a suitable digital compact camera for this type of telephotography. The kits comprise of a Kyocera SL400R camera and 50059 cradle mount plus the choice of either a 50064 SDL DCC adapter for the 40935 SDL eyepiece or 50065 DCC adapter for connection to selected HDF T, HDF, HR2 and HR eyepieces. In addition the kits include some useful accessories such as a spare battery and in-car charger.



Product information



Camera shown with cradle mount



Opticron-Kyocera SL400R camera

- 4.0 mega pixel CCD
- f.5.8~17.4mm 3x optical zoom
35mm equivalent; 38mm to 115mm
Magnification; 0.76x to 2.3x
- Ultra-fast one second start up
- R tune technology enabling 3.5 frames per second continuous shooting*
- 30fps VGA movies
- 1.5" SunBrite® TFT transfective brightness adjustable LCD screen
- Continuous auto focus AF with manual override
- Macro focus mode (20-60cm)
- Ultra thin 15mm design
(LxW 103mmx66mm)
Weight: 125g (w/o battery & card)

Supplied complete with 3.7V Li ion rechargeable battery, soft case and software

*dependant on write speed of memory card

50064 SDL DCC adapter

The SDL DCC adapter mount consists of a 2 piece locking ring in aluminium combined with a flexible delrin insert. Camera side, the adapter features a screw thread connection to the cradle mount supporting the camera.¹ Eyepiece side is a push fit connection over the 40935 SDL eyepiece with anti-clockwise lock down.

¹The 5mm spacer supplied should be fitted when using the SDL eyepiece at its lowest magnification.

50065 DCC adapter

The DCC adapter consists of a 2 piece locking ring in aluminium combined with a flexible delrin insert. Camera side, the adapter features a screw thread connection to the cradle mount supporting the camera. Eyepiece side is a push fit connection over specific HDF or HR eyepieces with anti-clockwise lock down.

Inserts are available in a choice of internal diameters to suit different eyepieces;

- 50066 Ø51mm
- 50067 Ø45.5mm
- 50068 Ø41.5mm¹
- 50069 Ø33mm²

¹50068 insert only fits in combination with 50067 insert.

²50069 insert only fits in combination with 50068 and 50067 inserts.

User instructions (using 50059 cradle mount supplied)

1. Choosing an eyepiece (50065 adapter)

HDF/HR eyepieces

For best overall image quality and the widest choice of magnifications at which a full frame image is obtained use: **HDF T 40810** with 50067 insert or **HR 40812** with 50069 in combination with 50068 and 50067 inserts.

Depending on the focal length and objective dia. of your telescope, other suitable eyepieces may include; HDF T 40862, HDF T 40872, HDF T 40809, HR2 40933, HR2 40930, MM2 40903

2. Initial setup

Before connecting everything together, set up your telescope and eyepiece on a tripod as you would for viewing - making sure your chosen eyepiece is screwed firmly into position. Focus on an object in the normal way until the image being viewed comes into sharp focus.

3. Preparing the camera and cradle mount

- Open the cradle mount to its fully extended position and slide it over the camera body as shown in [Fig. 1]
- Ensure that the inside edge of the cradle fits flush against the side of the camera body. Tighten thumb screw until mount is secure [Fig. 2]

4. Preparing your chosen DCC adapter and fitting the cradle

- Assemble the component parts of your chosen DCC adapter as illustrated on previous page
- Screw the adapter to cradle mount [Fig. 3]

5. Fitting the combined assembly to the telescope eyepiece

- Place your chosen DCC adapter over the eyepiece and push down until the internal wall contacts with the end of the eyepiece [Fig. 4]
- Hold the main section of the adapter secure and turn the locking ring anti-clockwise until tight making sure the camera is horizontal [Fig. 4]
- 'Flip' right side of camera ready for use [Fig. 5]

For instructions on how to operate the camera including RTUNE continuous shooting mode, please read the instructions supplied with the camera.

Tips for taking pictures

- The SL400R has no conventional viewfinder so images are composed using the LCD monitor. When the camera is turned on the LCD monitor will show a single rounded picture of the image you originally set your scope and eyepiece to. Once this single rounded picture is obtained you can adjust the zoom function to eliminate any vignetting and make any fine focus adjustments using the telescope.
- Turn the focus wheel or knob on the telescope to focus at different distances.



[Fig. 1]



[Fig. 2]



[Fig. 3]



[Fig. 4]



[Fig. 5]