

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 40810, HDF T 40937 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 HDF T 40937 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 Maxi kits** and are also available separately.

SD memory 512Mb* or 1Gb

*included in maxi kit



Image Storage 512Mb:
6M (2816x2112 pixels)
S.FINE 154 exp FINE 297 exp
5M (2592x1944 pixels)
S.FINE 184 exp FINE 351 exp
MOVIE (640x480)
15fps 1hr 6m, 30fps 34min

Image Storage 1Gb:
6M (2816x2122 pixels)
S.FINE 309 exp FINE 594 exp
5M (2592x1944 pixels)
S.FINE 369 exp FINE 701 exp
MOVIE (640x480)
15 fps 2hr 12m, 30 fps 1hr 9m

Li-ion battery



CGAS004 3.7V
710mAh. Code: 50079

Battery charger kit



Includes mains and 12v DC in-car charger and carrier for battery. Code: 50080

Pricing

Code	Model	SRP inc VAT
50095	i6 DCC Mini kit price includes; i6, 50091, 50092, 50065, 50066 & 50067	299.00
50097	i6 DCC Maxi kit price includes; i6, 50091, 50092, 50079, 50080, 50070, 50065, 50066 & 50067	379.00
50096	i6 SDL DCC Mini kit price includes; i6, 50091, 50092, 50064	299.00
50098	i6 SDL DCC Maxi kit price includes; i6, 50091, 50092, 50079, 50080, 50070 & 50064	379.00
50091	Cradle mount i6	49.00
50092	Cable release arm & 25cm cable release	14.99
50079	Battery 3.7V 710mAh (Energiser or equivalent)	24.99
50080	Digi Charger + carrier	34.99
50070	Lexar 512Mb SD (or equivalent)	19.99
50071	Lexar 1Gb SD (or equivalent)	29.99
50064	SDL DCC adapter	50.00
50065	DCC adapter	35.00
50066	51mm insert for 50065	9.00
50067	45.5mm insert for 50065	9.00
50068	41.5mm insert for 50065 ¹ 50068 insert only fits in combination with 50067 insert	9.00
50069	33mm insert for 50065 ² 50069 insert only fits in combination with 50068 & 50067 inserts	9.00
Recommended Eyepieces		
40810	HDF T	129.00
40937	HDF T	129.00
40812	HR	57.00

Opticron



Digital Compact Camera Kits for Telephotography

featuring Samsung i6 camera with 50064 SDL DCC adapter or 50065 DCC adapter



Product Information & User Guide

including Retail Price List

September 2006

Opticon digital compact camera kits are a high quality, easy to use solution to the problem of choosing a suitable compact camera for high magnification telephotography (digi-scoping).

Latest i6 kits are available in Mini or Maxi. The Mini kit comprises a Samsung i6 camera with a bespoke cradle mount, cable release arm + cable release plus the option of either a DCC adapter for connection to selected HDF T, HDF, HR2 and HR eyepieces or an SDL DCC adapter for connection to the 40935 SDL eyepiece. In addition, Maxi kits include a high capacity SD memory card, spare rechargeable battery and in-car charger.



Product information



Camera shown with cradle mount



Samsung i6 camera

- 6.0 mega pixel CCD
- 48Mb internal memory
- SHD lens f.6.6~19.8mm with 3x optical zoom
35mm equivalent; 39mm to 117mm
Magnification; 0.78x to 2.34x
- F3.5~F4.5
- TTL auto focus AF
- Macro: 5~50cm (wide)
Super macro: 1~5cm (wide)
- Shutter 1~1/2000
- ISO: auto, 50, 100, 200, 400
- 11 scene modes
- MPEG-4 15/30 fps VGA movies
- 2.5" colour TFT LCD screen
- PictBridge compatible
- LxWxH: 96x61x18.5mm
- Weight: 130g (w/o battery & card)

Supplied complete with 3.7V Li-ion rechargeable battery, charger and software

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 28mm 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 28mm 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

Choosing an eyepiece (50065 DCC adapter only)

HDF/HR eyepieces

For best overall image quality and the widest choice of magnifications at which a full frame image is obtained use any of the following eyepieces: **HDF T 40810**, **HDF T 40937** 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 and MM2 40903.

1. 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. Twist-type eyecups should be put in the 'down' position and fold down rubber eyecups should be removed.



[Fig. 1]

2. Preparing the camera and cradle mount

- Open the cradle mount to its fully extended position and slide it over the camera body until the aperture in the front of the cradle mount lines up with the camera lens. [Fig. 1]
- Using the hexagonal key supplied, tighten the screw until the mount feels secure. [Fig. 2]



[Fig. 2]

3. Preparing your chosen DCC adapter and fitting the cradle mount

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



[Fig. 3]

4. Fitting the cable release arm (optional) [Fig 4]

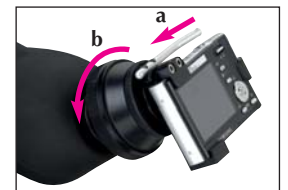
In combination with the 25mm cable release, this attachment reduces shake when operating the shutter. To fit, slot the arm into the recess (top surface of the cradle mount) and fix into position using the two hexagonal headed bolts supplied.



[Fig. 4]

5. Fitting the combined assembly to the telescope eyepiece [Fig 5]

- Place your chosen DCC adapter over the eyepiece and push down until the internal wall contacts with the end of the eyepiece [a]
- Hold the main section of the adapter secure and turn the locking ring anti-clockwise until tight making sure the camera remains horizontal [b]
- Turn the camera ON. For instructions on how to operate the camera, please read the instructions supplied with the camera.



[Fig. 5]

Tips for taking pictures

- The i6 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.
- Use the focusing on the telescope to focus at different distances.