

# DC - Direct Camera Couplers

The Direct video coupler is the economical solution to general purpose microscopy image capture.

These models provide direct image projection to your camera sensor.

Features ...

- Compact low profiled design
- A shorter more stable optical system – Limits vibration
- More aesthetically pleasing
- Practical operation – No tall tube to peer over

The big advantage of the direct camera coupler is that they are internally focusable – meaning that parfocality is easily achieved.



Model shown DC500U - "U" bottom assembly, holding 0.50X DC Adapter, C-Mounted for 1/2" chip USB mini camera

## **Internally Focusable    Image Quality**

Precision engineered with internal focus for quick and easy parfocality

Precision optics produce crisp, flat-field images with all microscope objectives, including achromatics, apochromats and plan fluorites.

## **Economical**

Priced significantly lower than major manufacturers own camera couplers, which are not focusable.

**Parfocal or Parfocality when applied to Couplers = Eyepiece and Camera monitor display the same image.**



## **Low Profile Design**

Results in shorter overall system length and greater optical stability. Ideal for high vibration, or high magnification applications.

## **Versatility**

Available in C-Mount, Bayonet, and F-Mount configurations to fit a wide variety of cameras.

## **Variety of Magnifications**

0.38X, 0.50X, 0.67X and 1.0X are available to achieve desired fields of view and optimise the cameras performance.

# DC - Direct Coupler Model Maker

Camera Mount Type	Magnification Factor	Microscope Manufacturer	Microscope Model
Column #1	Column #2	Column #3	Column #4

Camera Mount Type	Magnification Factor	Microscope Manufacturer	Microscope Model
<b>DC</b> C MOUNT	<b>38</b> (0.38X) 1/3" chip 6mm Diag	<b>L</b> <b>Leica</b>  Leitz, Wild, Bausch & Lomb	<b>Leica Inverted</b> DMIL ( <i>inserts into 38mm ISO photoport</i> )
	<b>50</b> (0.50X) 1/2" chip 8mm Diag		<b>Leica Stereo</b> MS5 - MZ6 - MZ8 - MZ12 - MZAPO <i>All insert into 38mm ISO photoport</i> GZ6 ( <i>With Phototube #13410302</i> )
	<b>67</b> (0.67x) 2/3" chip 11mm Diag		<b>Leitz Upright</b> Aristomet - Aristoplan - Dialux - Diaplan - Ergolux - Laborlux - Mettalux - Metalloplan - Ortholux - Orthoplan ( <i>All insert into 38mm ISO photoport</i> )
	<b>10</b> (1.0x) 1" chip 16mm Diag		<b>Leitz Inverted</b> Diavert - Fluovert - Labovert - Metallovert ( <i>All insert into 38mm ISO photoport</i> )
			<b>Wild Stereo</b> M3 - M5 - M7 - M8 - M10 ( <i>All insert into 38mm ISO Photoport</i> )
			<b>Wild Macroscope</b> M420 - ( <i>Insert into 38mm ISO Photoport</i> )
			<b>Leica Compound</b> DML Series - DMR Series - DM RD ( <i>Not into photoTV Module</i> ) FSA Tube Adapter - TV Tube Adapter - Variotube ( <i>All into 37mm Phototube</i> ) DM MFK 2
			<b>Leica Stereo</b> MS5 - MZ6 - MZ8 - MZ12 - MZAPO ( <i>All 37mm Photoport</i> ) GZ6 (W phototube #13410309) - LED Series ( <i>Needs Leica 1x tv tube # 10445930</i> ) M125 - M165 C & FC - M205 - MZ10 - S6D - S8 APO - Z16 APO - Z6 APO ( <i>All need Leica 1x tv tube # 10445930</i> )
			<b>Leica B&amp;L Upright</b> Balplan - Microzoom
			<b>Leica B&amp;L Stereo</b> SZ6 - StereoZoom 6
<b>DS</b> SONY 1/2" Bayonet <small>For Olympus "U" &amp; Zeiss "Z" Models only</small>	<b>10</b> (1.0x) 1" chip 16mm Diag		<b>R</b> <b>Leica B&amp;L Stereo</b> SZ7 - StereoZoom 7 ( <i>With slip in port</i> )
<b>DH</b> 1/2" Bayonet <small>For Olympus "U" &amp; Zeiss "Z" Models only</small>	<b>10</b> (1.0x) 1" chip 16mm Diag		<b>Y</b> <b>Leica Compound</b> DM Series - DM L Series - DM R Series - DM IR Series - DM IL Series - ( <i>All HC Optics</i> ) - INM100 <b>Confocal</b> TCS Models - LSI - SP8CARS - SP8 X - SPA MP - SPE- SPQ SMD ( <i>All with Trino head</i> )

**Note Leica HC optics (Harmonic contrast) systems indicated by RED flash marking on your microscope**  
**Note Leica Delta optics systems indicated by BLACK flash marking on your microscope**  
 This may help with identifying your microscope type. Note for indication only - trino heads can be interchanged.

Camera Mount Type	Magnification Factor	Microscope Manufacturer	Microscope Model
<b>DB</b> 2/3" Bayonet (ENG) <small>For Olympus "U" &amp; Zeiss "Z" Models only</small>	<b>10</b> (1.0x) 1" chip 16mm Diag	<b>N</b> <b>Nikon</b>	<b>Upright</b> Alphaphot 2 - Eclipse series ( <i>Requires YT Tube 92306</i> ) - Labophot 2 - Microphot & Microphot models FX, FXL, POL, SA - Optiphot 2 - Optiphot 100S, 150, 200, 300 ( <i>All insert into 38mm ISO photoport</i> )
			<b>Inverted</b> Diaphot 200/300 - TS100F - TE2000 ( <i>All insert into 38mm ISO port - non compatible with 0.38X and 0.5X couplers</i> )
			<b>Metallurgical</b> Epiphot 300/200 ( <i>All insert into 38mm ISO photoport</i> )
			<b>Stereo</b> SMZ10A ( <i>0.67X and 1.0X only</i> ) - SMZU - SMZ800 - SMZ1000 - SMZ1500 ( <i>All insert into 38mm ISO photoport</i> ) - SMZ18 - SMZ25 ( <i>With LV-TV tube</i> )
			<b>Measuring</b> MM40 - MM60 ( <i>Both insert into 38mm ISO photoport</i> )
<b>DE</b> EOS Bayonet Ganon <small>For Olympus "U" &amp; Zeiss "Z" Models only</small>	<b>10</b> (1.0x) 1" chip 16mm Diag		<b>Stereo Zoom</b> AZ100 - AZ100M

Camera Mount Type	Magnification Factor	Microscope Manufacturer	Microscope Model
<b>DF</b> F-Mount Nikon <small>For Olympus "U" &amp; Zeiss "Z" Models only</small>	<b>10</b> (1.0x) 1" chip 16mm Diag	<b>O</b> <b>Olympus</b>	<b>Upright</b> AX Provis Series - BX Series - BX2 Series - CX Series - CX2 Series - MX Series ( <i>All w/ U-SPT phototube removed</i> ) BX UDPT Double Port ( <i>Back port only</i> )
			<b>Stereo</b> SZX Series ( <i>All with USPT phototube removed</i> ) - MVX10
			<b>Inverted</b> CKX41 ( <i>With Trino tube U-TR30-2</i> )
			<b>W</b> <b>Inverted</b> IX Series ( <i>Sideport or trinocular head {U-TR30H}</i> )

Camera Mount Type	Magnification Factor	Microscope Manufacturer	Microscope Model
		<b>Z</b> <b>Zeiss</b>	<b>Upright</b> Axiophot - Axioplan - Axioskop - Axiotron Axiotron 2 - Axioskop 20 & 50
			<b>Inverted</b> Axiovert 10 - Axiovert 35 - Axiovert 35M - Axiovert 405M
			<b>Upright</b> Axio Examiner - Axio Imager & Imager Vario - Axio Lab & Lab A1 - Axio Observer - Axio Scope A1 - Axio Scope Vario - Axiophot 2 - Axioplan 2 - Axioskop 2, FS, & 40 - Axiostar/Starplus - Axiotech & Vario - Axiotron 2 CSM - STD 25 ICS - KF2 ICS - New Standard Trinocular Tube ( <i>Zeiss # 452902</i> ) - Primostar ( <i>Needs our "Z" Btm Ass ISO 1X and 0.5X only</i> )
			<b>Inverted</b> Axiovert Models A1, 100,135, 135M, 200 ( <i>All non-compatible with 0.38X mag</i> ) - IM Series ( <i>With new standard trino tube Zeiss # 452902</i> )
			<b>Stereo</b> Axio Zoom V16 - Discovery models V8, V12, V20 - Semi Models, DRC ( <i>w/ 455005 phototube</i> ) 2000C - 2000CS - SV6 - SV11 - Lumar V12
			<b>O</b> <b>Upright</b> Axiomat - Photomicroscope II & III - UEM - Ultraphot IIIB Universal ( <i>Replaces phototube in all models</i> )

Note 0.38X Mag requires 22mm clearance depth in trino tube.

**Note Zeiss Conversions**  
**M Model Above = Use for Zeiss Interface 44 (44mm Inner Diameter)**  
**Z Model Above = Use for Zeiss Interface 60 and 60N (30mm Inner Diameter)**