

Large-Format Camera Couplers



Model shown DE130U, "U" bottom assembly for Olympus microscope, Holding 1.3X adapter, connected to EOS mount, to take Canon DSLR camera

The Large format camera coupler has been developed to deliver the necessary magnification to cover the larger chip sizes of today's high end CCD and DSLR cameras.

Like the DC model, the large format provides a direct image projection to your camera sensor. This system benefits from the low profile design and versatility of the DC range and are available in 1.3X and 1.9X magnifications to cover full frame chip sizes up to 43.3mm diagonal. (36mm x 24mm)

In contrast to other manufacturers, our large format adapters are fully efficient. The 1.9X adapter achieves a 43.3mm diagonal image projection. Other models cover less surface area, from a higher magnification.

(Note some minor compatibility restrictions with the 1.3X model - as shown on the model maker, right)



1.9X (left) and 1.3X (right) Large format adapters

Variety of Magnifications

Available in 1.3X (camera chip diagonals of up to 28mm) and 1.9X diagonal (for camera chip diagonals up to 43.3mm) to provide high magnification to cover today's large-format CCD cameras and high end digital SLR's.

Versatility

Available in C-Mount, a variety of Bayonet mounts, and F-Mount configurations to fit a wide variety of large chip size cameras. Other camera mounts are available please contact Best Scientific Couplers.

Image Quality

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



Large format adapter in "U" bottom assembly with F-mount for Nikon DSLR camera

Large Format Coupler Model Maker

Camera Mount Type

Column #1

Magnification Factor

Column #2

Microscope Manufacturer

Column #3

Microscope Model

Column #4

DC C MOUNT

13

(1.3X)

Covers 28mm chip Diagonal

19

(1.9X)

Covers 43.3mm chip Diagonal

DS SONY 1/2" Bayonet

13

(1.3X)

Covers 28mm chip Diagonal

19

(1.9X)

Covers 43.3mm chip Diagonal

DH 1/2" Bayonet

13

(1.3X)

Covers 28mm chip Diagonal

19

(1.9X)

Covers 43.3mm chip Diagonal

DB 2/3" Bayonet (ENG)

13

(1.3X)

Covers 28mm chip Diagonal

19

(1.9X)

Covers 43.3mm chip Diagonal

DE EOS Bayonet Canon

13

(1.3X)

Covers 28mm chip Diagonal

19

(1.9X)

Covers 43.3mm chip Diagonal

DF F-Mount Nikon

13

(1.3X)

Covers 28mm chip Diagonal

19

(1.9X)

Covers 43.3mm chip Diagonal

L Leica

Leitz,
Wild,
Bausch &
Lomb

Note "R" "S" &
"Y" model
microscopes
are not
compatible
with 1.3X
adapters

N	Leica Inverted	DMIL (<i>Inserts into 38mm ISO photoport</i>)
	Leica Stereo	M55 - MZ6 - MZ8 - MZ12 - MZAPO <i>All insert into 38mm ISO photoport (Delta optics) GZ6 (W Phototube #13410302)</i>
	Leitz Upright	Aristomet - Aristoplan - Dialux - Diaplan - Ergolux - Laborlux - Mettalux - Metalloplan - Ortholux - Orthoplan (<i>All insert into 38mm ISO photoport</i>)
	Leitz Inverted	Diavert - Fluovert - Labovert - Metallovert (<i>All insert into 38mm ISO photoport</i>)
	Wild Stereo	M3 - M5 - M7 - M8 - M10 (<i>All insert into 38mm ISO Photoport</i>)
	Wild Macroscope	M420 - (<i>Insert into 38mm ISO Photoport</i>)
P	Leica Compound	DML Series - DMR Series - DM RD (<i>Not into photoTV Module</i>) FSA Tube Adapter - TV Tube Adapter - Variotube (<i>All Insert into 37mm Phototube</i>) DM MFK 2
	Leica Stereo	M55 - MZ6 - MZ8 - MZ12 - MZAPO (<i>All 37mm Photoport</i>) 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>)
R	Leica B&L Upright	Balplan - Microzoom
	Leica B&L Stereo	SZ6 - StereoZoom 6
S	Leica B&L Stereo	SZ7 - StereoZoom 7
Y	Leica Compound	DM Series - DM L Series - DM R Series - DM IR Series - DM IL Series - (<i>All HC Optics</i>) - INM100
	Confocal	TCS Models - LSI - SP8 cars - SP8 X - SPA MP - SPE - SPQ SMD (<i>All with Trino head</i>) <i>Please contact Best Scientific Couplers</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.

N Nikon

N	Upright	Alphaphot 2 - Eclipse series (requires YT Tube 92306) - Labophot 2 - Microphot & Microphot models FX, FXL, POL, SA - Optiphot 2 - Optiphot 100S, 150, 200, 300 (<i>All insert into 38mm photoport</i>)
	Inverted	Diaphot 200/300 - TS100F - TE2000 (<i>All insert into 38mm ISO port</i>)
	Metallurgical	Epiphot 300/200 (<i>All insert into 38mm ISO photoport</i>)
	Stereo	SMZ10A (<i>0.67X and 1.0X only</i>) - SMZU - SMZ800 - SMZ1000 - SMZ1500 (<i>All insert into 38mm ISO photoport</i>) SMZ18 - SMZ25 (With LV-TV tube)
	Measuring	MM40 - MM60 (<i>Both insert into 38mm ISO photoport</i>)
	Stereo Zoom	AZ100 - AZ100M

O Olympus

U	Upright	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>)
	Stereo	SZX Series (<i>All with USPT phototube removed</i>) - MVX10
	Inverted	CKX41 (<i>With Trino tube U-TR30-2</i>)
W	Inverted	IX Series (<i>Sideport or trinocular head {U-TR30H}</i>)

Z Zeiss

M	Upright	Axiophot - Axioplan - Axioskop - Axiotron Axiotron 2 - Axioskop 20 & 50
	Inverted	Axiovert 10 - Axiovert 35 - Axiovert 35M - Axiovert 405M
Z	Upright	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 (Zeiss # 452902) Primo Star (<i>Needs our "Z" Btm Ass ISO</i>)
	Inverted	Axiovert Models A1, 100,135, 135M, 200 IM Series (<i>with new standard trinoc tube Zeiss # 452902</i>)
	Stereo	Axio Zoom V16 - Discovery models V8, V12, V20 Semi Models, DRC (<i>with 455005 phototube</i>) 2000C - 2000CS - SV6 - SV11 - Lumar V12
O	Upright	Axiomat - Photomicroscope II & III - UEM - Ultraphot IIIB Universal (<i>Replaces phototube in all models</i>)

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)