

Multi-Port Camera Couplers

The Multi-Port coupler is the perfect solution when your application requires more than one camera.

They have been specifically designed to increase your imaging productivity. Two cameras can be fitted simultaneously, so users no longer need to swap out different cameras for different operations. It is also a more cost effective solution than buying an expensive microscope head (e.g. Quad Head or Dual Port)

There are three types of Multi-Port to choose from all with a different orientation - chose which best suits your environment.

- MH - 100% Horizontal
 - MV - 100% Horizontal - 100% Vertical
 - MJ - 50% Horizontal - 50% vertical
- (See diagrams right for more info)



MV - 100% Vert / 100% Horz Multiport with 2x C-Mounted cameras

Important Technical Notes

All horizontal ports use mirrored images (can be corrected with digital camera software etc) Results using Multi-Port couplers may vary depending upon the position of the exit pupil for a given microscope. If the exit pupil does not match up with the relay optic, vignetting could occur.



Multiport with C-to-C-Mount

Magnifications

0.50X and 1X magnification factors are available to provide field of view and resolution flexibility. However when combined with a C to C mount coupler (left) other magnifications are possible (0.38X, 0.67X, 1.6X, & 2X) See page 17 for C-to-C mount couplers.

Camera Compatibility

Available in C-Mount configuration as standard for CCD cameras. Bayonet, and F-Mount conversions also available as custom made to order products.

High Resolution Imaging

Innovative engineering and precision optics combine to provide high-contrast, flat-field images.

Light Distribution Flexibility

Light Distributions of 50/50 and 100/100 to best suit the light-intensity requirements of your application.



MV Multiport for Olympus

Multi-Port Coupler Model Maker

Camera
Mount Type
Column #1

Magnification
Factor
Column #2

Microscope
Manufacturer
Column #3

Microscope
Model
Column #4

MH
100% Horiz
Both C-Mount

50
(0.50X)
1/2" chip 8mm Diag
10
(1.0X)
1" chip 16mm Diag



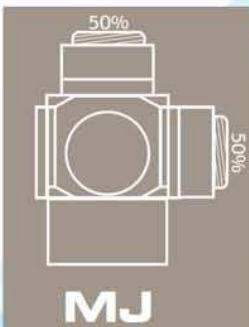
MV
100% Horiz
100% Vert
Both C-Mount

50
(0.50X)
1/2" chip 8mm Diag
10
(1.0X)
1" chip 16mm Diag



MJ
50% Horiz
50% Vert
Both C-Mount

50
(0.50X)
1/2" chip 8mm Diag
10
(1.0X)
1" chip 16mm Diag



L
Leica

Leitz,
Wild,
Bausch &
Lomb

1	Leica Compound	DML Series - DMR Series - DM RD (Not into photoTV Module) FSA Tube Adapter - TV Tube Adapter - Variotube (All Insert into 37mm Phototube) DM MFK 2
	Leica Sterero	MS5 - MZ6 - MZ8 - MZ12 - MZAPO (All 37mm Photoport) GZ6 (W phototube #13410309) - LED Series (Needs Leica 1x tv tube # 10445930) M125 - M165 C & FC - M205 - MZ10 - S6D - S8 APO - Z16 APO - Z6 APO (All need Leica 1X tv tube # 10445930)
2	Leica Compound	DM Series - DM L Series - DM R Series - DM IR Series - DM IL Series - (All HC Optics) INM100
	Leica Inverted	DMIL (Inserts into 38mm ISO photoport)
3	Leica Stereo	MS5 - MZ6 - MZ8 - MZ12 - MZAPO (All insert into 38mm ISO photoport) GZ6 (With Phototube #13410302)
	Leitz Upright	Aristomet - Aristoplan - Dialux - Diaplan - Ergolux - Laborlux - Mettalex - Ortholux - Orthoplan (All insert into 38mm ISO photoport)
	Leitz Inverted	Diavert - Fluovert - Labovert - Metalovert (All insert into 38mm ISO photoport)
	Wild Stereo	M3 - M5 - M7 - M8 - M10 (All insert into 38mm ISO Photoport)
	Wild Macroscope	M420 - (Insert into 38mm ISO Photoport)

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

3	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 (All insert into 38mm ISO photoport)
	Inverted	Diaphot 200/300 - TS100F - TE2000 (All insert into 38mm ISO photoport)
	Metallurgical	Epiphot 300/200 (All insert into 38mm ISO photoport)
	Stereo	SMZ10A - SMZU - SMZ800 - SMZ1000 - SMZ1500 (All insert into 38mm ISO photoport) SMZ18 - SMZ25 (With LV-TV tube)
	Measuring	MM40 - MM60 (Both insert into 38mm ISO photoport)
	Zoom	AZ100 - AZ100M
4	Upright	Alphaphot 2 - Eclipse series (Requires Tube #92021) - Labophot 2 - Microphot & Microphot models FX, FXL, POL, SA (With phototube # 79429) Multi Image Module - Optiphot 2
	Inverted	Diaphot 200/300 (With sideport phototube) - Diaphot TMD - Epiphot TME - TMS-F
	Stereo	SMZ10A - SNZ2T - SMZU - SMZ800 - SMZ1000 - SMZ1500 (All insert into #92021 phototube) SMZ18 - SMZ25 (With LV-TV tube)
	Measuring	MM-11C - MM-11U - MM-22 - MM-22U - MM-40 - MM-60 (All with phototube)

O
Olympus

5	Upright	AX Series - BX Series - BX2 Series - CX Series - CX2 Series - MX Series (All w/ U-SPT phototube) - BH2 Series (BHS, BHT, BHTU, BHM) Vanox (With AH2- ADF for new Vanox) - BX UDPT Double Port (Back port only)
	Inverted	Imt2 (With sideport or trino head) - IX Series (With IX-SPT phototube for sideport or trino head) - MVX10
	Stereo	SZ Series (Fits SZ-TRU phototube) - SZH series - SZX Series (Both with U-spt phototube)

Z
Zeiss

6	Upright	Axiophot - Axioplan - Axioskop - Axiotron Axiotron 2 - Axioskop 20 & 50 -
	Inverted	Axiovert Models 10, 35, 35M, 405M
7	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 - Primo Star - STD 25 ICS - KF2 ICS - New Standard Trinocular Tube (Zeiss # 452902)
	Inverted	Axiovert Models A1, 100, 135, 135M, 200 IM Series (With new standard trino tube Zeiss # 452902) PrimoStar
	Stereo	Axio Zoom V16 - Discovery models V8, V12, V20 - Semi Models, DRC (With 455005 phototube) 2000C - 2000CS - SV6 - SV11 - Lumar V12

Note Zeiss Conversions
6 Model Above = Use for Zeiss Interface 44 (44mm Inner Diameter)
7 Model Above = Use for Zeiss Interface 60 and 60N (30mm Inner Diameter)

Mitutoyo Multi-Ports also available - see page 19 and contact us for details