

# Direct Camera Couplers



Optem® Direct Video Couplers are the economical solution to general purpose video microscopy when ease of use and ergonomics matter.

Engineered for maximum image-quality and light transmission, the Direct Coupler's compact, low-profile design positions your video camera at the intermediate image plane of your microscope, providing a shorter, more stable optical platform.

With magnification factors from 0.38X to 1.0X, achieving larger fields-of-view and fully leveraging the capabilities of your equipment on-monitor has never been easier. Select from a wide variety of mount-types to accommodate a broader spectrum of cameras.

## Internally Focusable

Precision engineered with internal focus for quick and easy parfocality.

## Economical

Priced significantly lower than major manufacturers' video couplers.

## Low Profile Design

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

## Image Quality

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

## Wide Variety of Magnifications

0.38X, 0.50X and 0.67X and 1.0X coupler magnifications are available to achieve desired fields-of-view on the video monitor.

## Versatility

Available in C-mount, bayonet, and F-mount configurations to fit a wide variety of video cameras.



*Your quality  
microscopy  
connection!*

# DIRECT CAMERA COUPLERS

## MODEL MAKER

Mount Type  
Column  
**# 1**

Mag. Factor  
Column  
**# 2**

Scope Brand  
Column  
**# 3**

Scope Model  
Column  
**# 4**

**DC**  
"C" MOUNT

**38**  
(0.38X)  
1/3" Chip,  
6mm diag

**50**  
(0.50X)  
1/2" Chip,  
8mm diag

**67**  
(0.67X)  
2/3" Chip,  
11mm diag

**10**  
(1.0X)

**DS**  
SONY  
1/2" Bayonet

for Olympus "U" and  
Zeiss "Z" models only

**10**  
(1.0X)

**DH**  
1/2" Bayonet

for Olympus "U" and  
Zeiss "Z" models only

**10**  
(1.0X)

**DB**  
2/3" Bayonet  
(ENG)

for Olympus "U" and  
Zeiss "Z" models only

**10**  
(1.0X)

**DE**  
EOS Bayonet

for Olympus "U" and  
Zeiss "Z" models only

**10**  
(1.0X)

**DF**  
F-Mount

for Olympus "U" and  
Zeiss "Z" models only

**10**  
(1.0X)

**L**  
LEICA  
(Leitz, Wild,  
Bausch & Lomb)

**N** LEICA INVERTED • DMIL (inserts into 38mm ISO photoport)  
LEICA STEREO • MS5 • MZ6 • MZ8 • MZ12 • MZAP0 (ALL insert into 38mm ISO photoport)  
• GZ6 (w/Phototube #13410302)  
LEITZ UPRIGHT • Aristomet • Aristoplan • Dialux • Diaplan • Ergolux • Laborlux  
• Metallux • Ortholux • Orthoplan (ALL insert into 38mm ISO photoport)  
LEITZ INVERTED • Diavert • Fluovert • Labovert • Metallovert (ALL insert into 38mm ISO photoport)  
WILD STEREO • M3 • M5 • M7 • M8 • M10 (ALL insert into 38mm ISO photoport)  
WILD MACROSCOPE • M420 (inserts into 38mm ISO photoport)

**P** LEICA COMPOUND • DM L Series • DM R Series • DM RD (does NOT fit Photo TV Module)  
• FSA Tube Adapter • TV Tube Adapter • Variotube (ALL insert into  
37mm photoport, ALL Delta Optics Series with 37mm photoport)

LEICA STEREO • MS5 • MZ6 • MZ8 • MZ12 • MZAP0 (ALL w/ 37mm photoport)  
• GZ6 (w/ Phototube #13410309)

**R** LEICA/B&L UPRIGHT • Balplan • Microzoom

LEICA/B&L STEREO • SZ-6 • StereoZoom 6

**S** LEICA/B&L STEREO • SZ-7 • StereoZoom 7 (w/ Slip-in part)

**Y** LEICA COMPOUND • DM L Series • DM R Series • DM IR Series • DM IL Series (ALL HC Optics Series)

**M**  
MITUTOYO

**T** UPRIGHT • Finescope 60

**N**  
NIKON

**N** UPRIGHT • Alphaphot-2 • Eclipse Series (requires YT-Tube 92306) • Labophot-2  
• Optiphot-2 • Optiphot 100S, 150, 200, 300 (ALL insert into 38mm ISO photoport)

INVERTED • Diaphot 300/200 • TS100-F • TE2000 (ALL insert into 38mm ISO photoport  
and are incompatible with 0.38X and 0.5X mag. couplers)

METALLURGICAL • Epiphot 300/200 (inserts into 38mm ISO photoport)

STEREO • SMZ-10A (0.67X and 1.0X only) • SMZ-U • SMZ-800 • SMZ-1000  
• SMZ-1500 (ALL insert into 38mm ISO photoport)

MEASURING • MM-40 • MM-60 (both insert into 38mm ISO photoport)

**O**  
OLYMPUS

**U** UPRIGHT • AX Provis Series • BX Series • BX2 Series • CX Series • CX2 Series  
• MX Series (ALL w/ U-SPT phototube removed) • BX U-DPT Double Port (back port  
only, front port uses "H" Bottom Clamp from Standard Series, See Page 10)

STEREO • SZX Series (ALL w/ U-SPT phototube removed)

**W** INVERTED • IX Series (sideport or trinocular head [U-TR30H])

**Z**  
ZEISS

**M** UPRIGHT • Axiophot • Axioplan • Axioskop • Axiotron

INVERTED • Axiovert 10 • Axiovert 35 • Axiovert 35M • Axiovert 405M

UPRIGHT • Axiolab • Axiophot-2 • Axioplan-2 • Axioskop-2 • Axiostar • Axiotech  
• STD 25 ICS • KF2 ICS • New Standard Trinocular Tube (Zeiss # 452902)

INVERTED • Axiovert 100 • Axiovert 135 • Axiovert 135M • Axiovert 200 (ALL  
non-compatible w/ 0.38X mag.) • IM Series (w/ new Standard Trinoc Tube [Zeiss # 452902])

STEREO • Sterni DRC (w/ 455005 phototube) • Sterni 2000-C • Sterni 2000-CS  
• SV6 • SV11

**O** UPRIGHT • Axiomat • Photomicroscope II & III • UEM • Ultraphot IIIB  
• Universal (replaces phototube in ALL models)

**Z\***  
\* 0.38X Coupler  
requires 22.0mm  
clearance depth  
in Trinoc Tube

### How To Use The Model Makers

1 Indicate your desired 2-letter Camera Mount Type from column #1. 2 Indicate the desired 2-digit Magnification Factor from column #2. 3 Indicate your 1-letter Microscope Brand from column #3. 4 Indicate your 1-letter Microscope Model from column #4.

Mount Type

Mag. Factor

Scope  
Brand

Scope  
Model