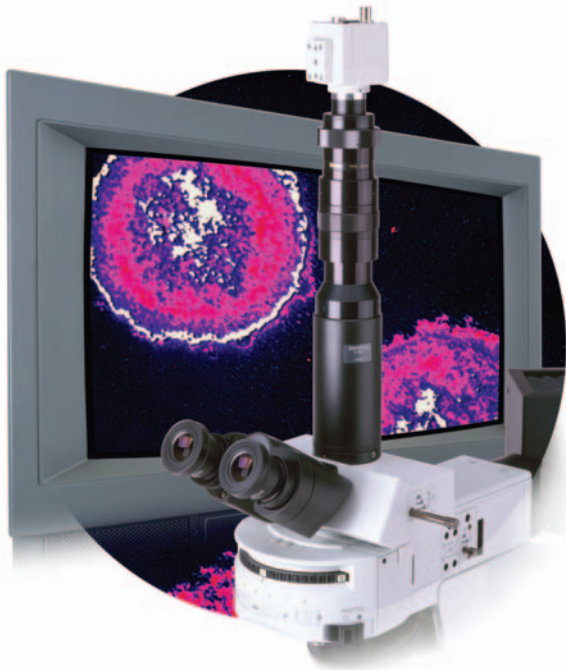


High-Resolution Camera Couplers for 1-CCD



Optem® High-Resolution Couplers are specifically designed to combine today's widefield, high-NA microscopes with state-of-the-art single-chip, high-resolution cameras.

Superior design and precision optics yield greater optical bandwidth for optimal transmission from microscopes boasting field-numbers of FN22 or greater, to 1-chip cameras with chip diagonals up to 26mm. Using our High-Resolution Single-Chip Couplers on widefield microscopes, you'll appreciate as much as a 164% gain in field-of-view over comparable configurations with our Standard Coupler Series.

High-Resolution Single-Chip Couplers are internally focusable to ensure easily established parfocality between your microscope and camera. A small knurled knob allows you to focus the Coupler on your video monitor. Lockable set screws reduce accidental focus misadjustment and ensure a one-time parfocality setup.

High-Resolution Single-Chip Couplers are available in a wide variety of magnification factors to afford you maximum imaging flexibility. As with all of our couplers, there are several mounting options to assure you maximum camera-type connectivity.

High-Resolution Single-Chip Couplers take full advantage of your microscope's designed numerical aperture and larger field number, making them the ideal answer for your high-magnification microscopy applications.

Image Diagonal Comparisons

Standard Series		vs.	High-Res Single-Chip Series	
Coupler magnification	maximum image diag.		Coupler magnification	maximum image diag.
1X	16mm		1.1X	26mm
0.67X	11mm		0.67X	16mm
0.5X	8mm		0.5X	11mm
0.38X	6mm		0.33X	8mm

Versatile Connectivity

Available in six mount options to fit a wider variety of single-chip cameras. Includes C-mount, F-mount and Bayonet variations, using standard T-threads

Magnification Options

Available in 0.33X, 0.50X, 0.67X, and 1.1X to optimize higher resolution camera performance and afford greater imaging flexibility.

Internally Focusable

Knurled focus knob makes establishing parfocality on the monitor quick and easy. Set screws lock-in parfocality and minimize accidental misadjustment.

Higher Resolution

Lower magnifications translate into the fastest field numbers (FN) of the Qioptiq Imaging Solutions Video Coupler line, delivering greater resolution images to the camera.

Image Quality

Precision optics yields maximum bandwidth to maximize transmission of your microscope's designed N.A. to single-chip cameras. These couplers deliver considerable magnification flexibility while generating crisp, flat-field images through most any microscope objective, including achromats, apochromats and plan fluorites.



*Your quality
microscopy
connection!*

QIOPTIQ IMAGING SOLUTIONS
www.qioptiqimaging.com

HIGH RESOLUTION SINGLE CHIP MODEL MAKER

Mount Type
Column
1

Mag. Factor
Column
2

Scope Brand
Column
3

Scope Model
Column
4

HRC
C-MOUNT

33
(0.33X)
1/2" camera, 8mm diag.

50
(0.50X)
2/3" camera, 11mm diag.

67
(0.67X)
1" camera, 16mm diag.

11
(1.1X)
26mm diag.

HRS
SONY
1/2" Bayonet

33
(0.33X)
1/2" camera, 8mm diag.

50
(0.50X)
2/3" camera, 11mm diag.

67
(0.67X)
1" camera, 16mm diag.

11
(1.1X)
26mm diag.

HRH
1/2" Bayonet
All But Sony

33
(0.33X)
1/2" camera, 8mm diag.

50
(0.50X)
2/3" camera, 11mm diag.

67
(0.67X)
1" camera, 16mm diag.

11
(1.1X)
26mm diag.

HRB
(ENG)
2/3" Bayonet

33
(0.33X)
1/2" camera, 8mm diag.

50
(0.50X)
2/3" camera, 11mm diag.

67
(0.67X)
1" camera, 16mm diag.

11
(1.1X)
26mm diag.

HRE
EOS Bayonet

33
(0.33X)
1/2" camera, 8mm diag.

50
(0.50X)
2/3" camera, 11mm diag.

67
(0.67X)
1" camera, 16mm diag.

11
(1.1X)
26mm diag.

HRF
F-MOUNT

33
(0.33X)
1/2" camera, 8mm diag.

50
(0.50X)
2/3" camera, 11mm diag.

67
(0.67X)
1" camera, 16mm diag.

11
(1.1X)
26mm diag.

Mount Type

Mag. Factor

L
LEICA
(Leitz, Wild)

1

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)

2

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

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)

3

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)

N
NIKON

3

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)

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

STEREO • SMZ-10A • SMZ-U • SMZ-800,-1000,-1500 (ALL insert into 38mm ISO photoport)

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

4

UPRIGHT • Alphaphot-2 • Eclipse Series (w/ phototube #92021 for 30mm photo eyepiece)
• Labophot-2 • Optiphot-2 (ALL w/ phototube) • Multi-image module
• Microphot (w/ Nikon phototube #79429)

INVERTED • Diaphot 300/200 (w/ side port phototube) • Diaphot TMD • Epiphot TME • TMS-F

STEREO • SMZ-U (w/ phototube) • SMZ-10A (w/ phototube) • SMZ-2T • SMZ-800 (w/
phototube #92021 for 30mm photo eyepiece)

MEASURING • MM-11C • MM-11U • MM-22 • MM-22U • MM-40 • MM-60 (ALL w/ phototube)

O
OLYMPUS

5

UPRIGHT • AX Series • BX Series • BX2 Series • CX Series • CX2 Series • MX Series (ALL w/
U-SPT phototube) • BH-2 Series (BH-S, BH-T, BH-TU, BH-M) • Vanox (w/ AH2-ADF for new Vanox)

INVERTED • IMT-2 (w/ sideport or trinoc head) • IX Series (w/ IX-SPT phototube for sideport or trinocular port)

STEREO • SZ Series (fits SZ-TRU phototube) • SZH Series • SZX Series (BOTH w/ U-SPT phototube)

6

UPRIGHT • Axiophot • Axioplan • Axioskop • Axiotron

INVERTED • Axiovert models: 10, 35, 35M, 405M

7

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

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

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

How To Use The Model Makers

1 Indicate your desired 3-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-digit Microscope Model from column #4.