

Telecentric High-Resolution Camera Couplers for 3-CCD



Designed to deliver the best in resolution and imaging accuracy, Optem® Telecentric High-Resolution Couplers have been specially engineered to deliver telecentric image transmission to your three-chip cameras.

Telecentric optics assure that the rays emanating from the microscope are transmitted to the camera at consistent and parallel angles. Telecentric High-Res Couplers minimize unwanted color shading with less than 0.5% distortion, transmitting unprecedented color accuracy to today's three-chip cameras. Telecentric High-Res Couplers also ensure minimal vignetting.

Like the Single-Chip High-Resolution Series, Telecentric Three-Chip Couplers are internally focusable to ensure easily established parfocality between your microscope and camera. A small knurled knob allows you to adjust parfocality on your video monitor. Lockable set screws eliminate accidental misadjustment and ensure a one-time parfocality setup.

Telecentric High-Resolution Three-Chip Couplers are available in magnification factors sufficient to cover camera chips up to 11mm diagonal. As with all Qioptiq Imaging Solutions Couplers, there are several mounting options offered to provide you with maximum camera flexibility.

Connection Versatility

Available in six mount options to fit a wider variety of 3-chip cameras. Includes C-mount, F-mount and Bayonet variations, using standard T-thread.

CCD-Optimized Magnifications

Available in 0.33X (for CCDs up to 8mm diagonal), and 0.50X (for CCDs up to 11mm diagonal).

Internally Focusable

Knurled focus knob makes establishing parfocality on the monitor quick and easy.

Set screws lock-in parfocality and minimize accidental adjustment.



When your application demands clear distinction between subtle color variances, connect to the unparalleled color accuracy of Telecentric High-Res Couplers for three-chip cameras.

Telecentric Optics

Unique optical design virtually eliminates color shading, assuring color accuracy and minimal vignetting.



*Your quality
microscopy
connection!*

QIOPTIQ IMAGING SOLUTIONS
www.qioptiqimaging.com

TELECENTRIC HIGH RESOLUTION MODEL MAKER

Mount Type
Column
1

Mag. Factor
Column
2

Scope Brand
Column
3

Scope Model
Column
4

HRTC C-MOUNT

33
(0.33X)

1/2" camera,
8mm diag.

50
(0.50X)

2/3" camera,
11mm diag.

HRTS SONY 1/2" Bayonet

33
(0.33X)

1/2" camera,
8mm diag.

50
(0.50X)

2/3" camera,
11mm diag.

HRTH 1/2" Bayonet All But Sony

33
(0.33X)

1/2" camera,
8mm diag.

50
(0.50X)

2/3" camera,
11mm diag.

HRTB (ENG) 2/3" Bayonet

33
(0.33X)

1/2" camera,
8mm diag.

50
(0.50X)

2/3" camera,
11mm diag.

HRTE EOS Bayonet

33
(0.33X)

1/2" camera,
8mm diag.

50
(0.50X)

2/3" camera,
11mm diag.

HRTF F-MOUNT

33
(0.33X)

1/2" camera,
8mm diag.

50
(0.50X)

2/3" camera,
11mm diag.

L LEICA (Leitz, Wild)

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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 phototube, ALL Delta Optics Series with 37mm phototube)

LEICA STEREO

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

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LEICA COMPOUND

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

3

LEICA INVERTED

• DMIL (inserts into 38mm ISO phototube)

LEICA STEREO

• MS5 • MZ6 • MZ8 • MZ12 • MZAP0 (ALL insert into 38mm ISO phototube)
• GZ6 (w/ Phototube #13410302)

LEITZ UPRIGHT

• Aristomet • Aristoplan • Dialux • Diaplan • Ergolux • Laborlux
• Metallux • Ortholux • Orthoplan (ALL insert into 38mm ISO phototube)

LEITZ INVERTED

• Diavert • Fluovert • Labovert • Metallovert (ALL insert into 38mm ISO phototube)

WILD STEREO

• M3 • M5 • M7 • M8 • M10 (ALL insert into 38mm ISO phototube)

WILD MACROSCOPE

• M420 (inserts into 38mm ISO phototube)

N NIKON

3

UPRIGHT

• Alphaphot-2 • Eclipse Series (requires YF-Tube 92306) • Labophot-2 • Optiphot-2
• Optiphot 100S, 150, 200, 300 (ALL insert into 38mm ISO phototube)

INVERTED

• Diaphot 300/200 • TS100-F • TE2000 (ALL insert into 38mm ISO phototube)

METALLURGICAL

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

STEREO

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

MEASURING

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

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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

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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/ AH-2-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)

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UPRIGHT

• Axiophot • Axioplan • Axioskop • Axiotron

INVERTED

• Axiovert models: 10, 35, 35M, 405M

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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 4-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.

Mount Type

Mag. Factor

Scope
Brand

Scope
Model