

INFINITY4-11 Large Format Custom Microscope Coupler

Outline

Lumenera recently introduced the INFINITY4-11 – a microscope camera boasting 11 megapixel resolution and superior color reproduction. This camera is ideal for high-end scientific, industrial, medical, ophthalmic and life science applications.

Matching the field of view of a traditional 35mm camera, the INFINITY4-11's sensor with a 43.3mm diagonal requires a large format coupler to deliver the necessary magnification and cover the larger chip diagonals.

In our continued commitment to fully supporting customer application requirements, Lumenera has teamed with a leading-edge technology partner with expertise in optomechanical design, to provide a cost-effective custom microscope coupler for the INFINITY4-11.

The new Lu9019-XX Large-Format Custom Coupler is uniquely designed to take full advantage of the INFINITY4-11's high resolution across the full field of view of this large format sensor.

The Lu9019-XX direct couplers offer complete mounting versatility, and are fully compatible with the major microscope brands and models. Part numbers for the various brands and models are available in the following pages, or can be obtained directly from Lumenera or through our network of dealers and distributors.

We highly recommend using the INFINITY4-11 with this purpose-built coupler in order to ensure the best camera's performance.

Product Highlights

- **Large Format Custom Coupler**
- **Ability to cover larger chip diagonals**
- **Unique design**
- **Cost-effective solution**
- **Readily available**
- **Versatile**
- **Fully compatible with major microscope brands and models**
- **Ensures the best performance for the INFINITY4-11**
- **Delivers necessary magnification for this 11 megapixel resolution sensor**
- **One (1) year warranty**

Ordering Information- Lu9019-XX

1. Always enter Lu9019- as the first six digits of the part number followed by a dash.
2. Select the first letter of the microscope brand (refer to table that follows - Scope Brand column).
3. Select the letter from the Scope Model column that matches your microscope model and description (refer the table that follows).

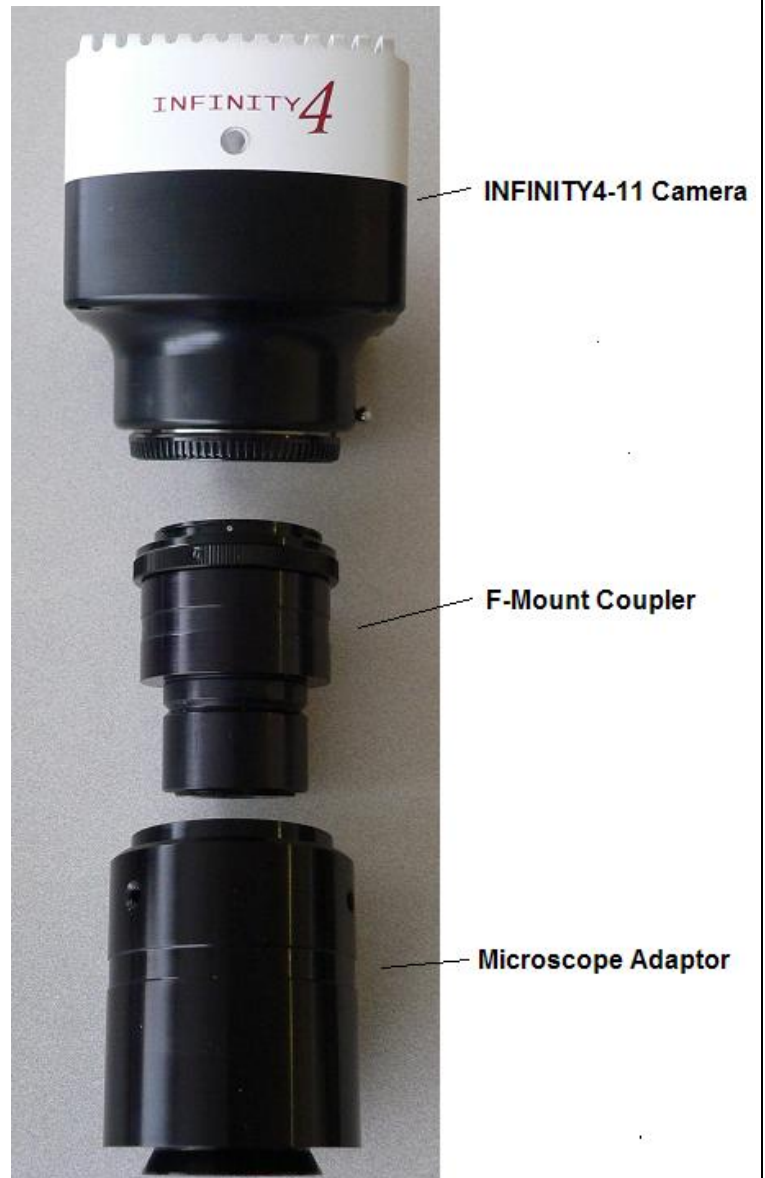
For example, if you have an Olympus Inverted IX Series, the part number will be as follows:

Five default digits: **Lu9019-**

First letter from microscope brand: (Olympus = O) **Lu9019-O**

Scope Model letter that matches microscope model and description: (Inverted IX Series = W) **Lu9019-OW**

Complete Part Number:
Lu9019-OW



COUPLER SELECTION (w/Specifications) – page 1 of 2

Scope Brand	Scope Model	Description
LEICA (Leitz, Wild, Bausch & Lomb)	N	Leica Inverted • DMIL (inserts into 38mm ISO photoport)
		Leica Stereo • MS5 • M26 • MZ8 • MZ12 • MZAP0 (ALL insert into 38mm ISO photoport) • GZ8 (w/phototube #13410302)
		Leitz Upright • Aristomet • Aristoplan • Diaplan • Ergolux • Laborlux • Mettalux • Ortholux • Orthoplan (ALL insert into 38mm ISO photoport)
		Leight Inverted • Diavert • Flochart • Labovert • Metallovert (ALL insert into 38mm ISO photoport)
		Wild Stereo • M3 • M5 • M7 • M8 • M10 (ALL insert into 38mm ISO photoport)
		Wild Microscope • M420 (inserts into 38mm ISO photoport)
LEICA (Leitz, Wild, Bausch & Lomb)	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) <i>All Delta Optics Series with 37mm photoport</i>
		Leica Stereo • MS5 • MZ6 • MZ8 • MZ12 • MZAP0 (ALL with 37mm photoport) • GZ6 (w/phototube #13410309)
LEICA (Leitz, Wild, Bausch & Lomb)	R	Leica/B&L Upright • Balplan • Microzoom
		Leica/B&L Stereo • SZ-6 • Stereozoom 6
LEICA (Leitz, Wild, Bausch & Lomb)	S	Leica/B&L Stereo • SZ-7 • Stereozoom 7 (with slip-in port)
LEICA (Leitz, Wild, Bausch & Lomb)	Y	Leica Coupound • DM L Series • DM R Series • DM IR Series • DM IL Series (ALL HC Optics Series)
MITUTOYO	T	Upright • Finescope 60

COUPLER SELECTION (w/Specifications) – page 2 of 2

Scope Brand	Scope Model	Description
NIKON	N	Upright • Alphaphot-2 • Eclipse Series (<i>requires YT-Tube 92306</i>) • Labophot-2 • Optiphot-2 • Optiphot 100S, 150, 200, 300 (<i>ALL insert into 38mm ISO photoport</i>)
		Inverted • Diaphot 300/200 • TS100-F • TE2000 (<i>ALL insert into 38mm ISO photoport and are incompatible with 0.38X and 0.5X mag. couplers</i>)
		Metallurgical • Epiphot 300/200 (<i>inserts into 38mm ISO photoport</i>)
		Stereo • SMZ-10A (<i>0.67X and 1.0X only</i>) • SMZ-U • SMZ-800 • SMZ-1000 • SMZ-1500 (<i>ALL insert into 38mm ISO photoport</i>)
		Measuring • MM-40 • MM-60 (<i>both insert into 38mm ISO photoport</i>)
OLYMPUS	U	Upright • AX Provis Series • BX Series • BX2 Series • CX Series • CX2 Series • MX Series (<i>ALL with U-SPT phototube removed</i>) • BX U-DPT Double Port (<i>back port only, front port uses "H" Bottom Clamp from Standard Series</i>)
		Stereo • SZX Series (<i>ALL with U-SPT phototube removed</i>)
OLYMPUS	W	Inverted • IX Series [<i>sideport or trinocular head (U-TR30H)</i>]
ZEISS	M	Upright • Axiophot • Axioplan • Axioskop • Axiotron
		Inverted • Axiovert 10 • Axiovert 35 • Axiovert 35M • Axiovert 405M
ZEISS	Z	Upright • Axiolab • Axiophot-2 • Axioplan-2 • Axioskop-2 • Axiostar • Axitech • STD 25 ICS • KF2 ICS • New Standard Trinocular Tube (<i>Zeiss #452902</i>)
		Inverted • Axiovert 100 • Axiovert 135 • Axiovert 135M • Axiovert 200 (<i>ALL non-compatible with 0.38X mag.</i>) • IM Series [<i>with new Standard Trinoc Tube (Zeiss #452902)</i>]
		Stereo • Stemi DRC <i>with 455005 phototube</i> • Stemi 2000-C • Stemi 2000-CS • SV6 • SV11
ZEISS	O	Upright • Axiomat • Photomicroscope II & III • UEM • Ultraphot IIIB • Universal (<i>replaces phototube in ALL models</i>)