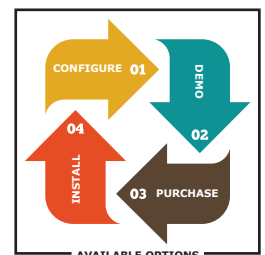




# LMI-6000 Series

Inverted Microscope System



# LMI 6000 Series

Ideal for observing critical live cultures, large specimens, and reactions. The ergonomic, robust design efficiently accommodates specimens within all types of culture vessels and multi-well plates. Laxco's LMI-6000 inverted microscopes are the practical choice for research, education, and routine lab use.

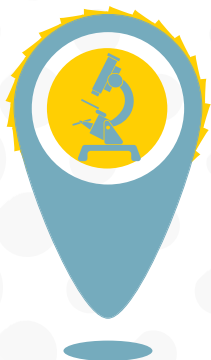
## Key Features

- Large T-Shaped body for maximum stability
- ECO IR sensor automatically saves power when scope is not in use
- 5W transmitted LED
- Brightfield, Phase Contrast and Fluorescence Contrast Methods
- High contrast for cell and tissue culture applications
- Optional mechanical stage for precise x/y control of samples.

 Corrected for eyeglasses

Infinity Corrected 

LED Illumination 



ON-SITE DEMOS AVAILABLE



## Optical System

- Infinity corrected optical system
- Plan Achromatic and Semi-Apo plan fluorite LWD objectives
- Wide range of magnifications: 4x, 10x, 20x, 40x, 60x & 100x
- Anti-reflective coatings on optics
- Sharp images with color corrected optics
- Parcentered & Parfocal objectives



## STAND

- Large, sturdy based designed for the research lab environment
- Sturdy base designed for the research lab environment
- Attachable X/Y mechanical stage
- Coaxial focus drive, 2 um precision
- Quadruple nosepiece
- 5w LED transmitted illumination
- N.A. 0.3 condenser, working distance 72mm, removable
- Phase contrast slider
- ECO IR Sensor

Still Camera 

Or

 Video Camera

## TRINOCULAR OBSERVATION HEAD

- Integrated trinocular photo port
- 10x magnification, with 22mm wide field eyepieces w/eyecups
- 50 to 75mm interpupillary distance
- 50:50 image split
- 45° inclined head, 360° rotatable



## ACCESSORIES

### EYEPIECES

Part #	Description
LMCP-PLN10X22T	WF HP PL 10x Eyepiece w/ Diopter Adjustment, 22mm FOV
LMCP-PLN10X22TR	WF HP PL 10x Eyepiece w/ Diopter Adjustment, 22mm FOV & Reticle
LMCP-PL15X16T	WF HP PL 15x Eyepiece w/ Diopter Adjustment, 16mm FOV

### FILTERS

Part #	Description
LMCP-LBD	φ45 Color Temperature Shift Filter
LMCP-XY-FCF	φ45 Yellow Contrast Filter
LMCP-IF550	φ45 Green Contrast Filter
LMCP-XY-FCF	φ45 Neutral Color Temperature Filter

### STAGE MICROMETERS

Part #	Description
MP-SM100	1mm ruled with 0.01mm div
MP-SM100-C	1mm ruled with 0.01mm div, NIST Cert
MP-SM101	0.04" ruled with 0.001" div
MP-SM101-C	0.04" ruled with 0.001" div, NIST Cert
MP-SM102	2mm ruled with 0.01mm div
MP-SM102-C	2mm ruled with 0.01mm div, NIST Cert

### STAGE ACCESSORIES

Part #	Description
LMCP-XDCPG	Glass stage plate
LMCP-XDCPM	Metal stage plate (Φ25 center hole)
LMCP-XDCPM2	Metal stage plate (Φ12 center hole)
LMCP-XDCPM3	Metal stage plate (crescent shaped hole)
LMCP-ICX41SGM	Mechanical Stage, Travel 120mm x 80mm
LMCP-XDSGEX	Stage Extension Plate
LMCP-XDSGHJ01	Φ35 Petri dish holder
LMCP-XDSGHJ02	Slides holder
LMCP-XDSGHJ03	Terasaki holder

### CAMERA

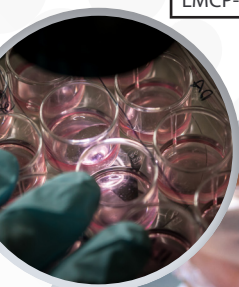
Part #	Description
DC2-C	3MP Digital Color Camera




### C-MOUNT ADAPTERS

Part #	Description
LMCP-CX50MCTV0.35	0.35X C-Mount Adapter, Focusable
LMCP-CX50CTV0.5	0.5X C-Mount Adapter, Focusable
LMCP-CX50CTV06.5	0.65X C-Mount Adapter, Focusable
LMCP-CX50CTV1	1X C-Mount Adapter, Focusable

### OBJECTIVES

Part #	Description
LMCP-OLIPN4B	LWD Infinity Plan Achromatic Objective 4x/0.13 N.A. WD = 10.4 mm
LMCP-OLIPN10B	LWD Infinity Plan Achromatic Objective 10x/0.25 N.A. WD = 7.3 mm
LMCP-OLIPN20B	LWD Infinity Plan Achromatic Objective 2x/0.40 N.A. WD = 6.8 mm
LMCP-OLIPN40A	LWD Infinity Plan Achromatic Objective 40x/0.65 N.A. WD = 3.05 mm
LMCP-OLIPN60	LWD Infinity Plan Achromatic Objective 60x/0.70 N.A. WD = 1.70 mm
LMCP-OLIPP2N4B	LWD Infinity Plan Achromatic Phase Contrast Objective 4x/0.13 N.A. WD = 10.4 mm
LMCP-OLIPP2N10B	LWD Infinity Plan Achromatic Phase Contrast Objective 10x/0.25 N.A. WD = 7.3 mm
LMCP-OLIPP2N20B	LWD Infinity Plan Achromatic Phase Contrast Objective 20x/0.40 N.A. WD = 6.8 mm
LMCP-OLIPP2N40A	LWD Infinity Plan Achromatic Phase Contrast Objective 40x/0.65 N.A. WD = 3.05 mm
LMCP-OLIPF4	LWD infinity Plan Fluorite Objective 4X/0.13 WD = 18.52mm
LMCP-OLIPF10	LWD Infinity Plan Fluorite Objective 10X/0.30 WD = 7.11mm
LMCP-OLIPF20	LWD Infinity Plan Fluorite Objective 20X/0.45 N.A. WD = 5.91mm
LMCP-OLIPF40	LWD Infinity Plan Fluorite Objective 40X/0.65 N.A. WD = 1.61mm
LMCP-OLIPF60	LWD Infinity Plan Fluorite Objective 60X/0.75 N.A. WD=1.04mm
LMCP-OLIPP2F20	LWD Infinity Plan Fluorite Phase Contrast Objective 20X/0.45 N.A. WD = 5.91mm
LMCP-OLIPP2F40	LWD Infinity Plan Fluorite Phase Contrast Objective 40X/0.65 N.A. WD1.61mm



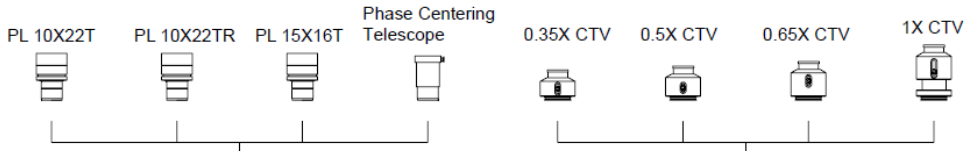
PHASE CONTRAST		Standard Configurations		
				
SPECIFICATION		MODEL		
Part	Description	LMI6-PH5	LMI6-PH3	LMI6-PH4
EYEPIECE	PLN10X/22mmT, adjustable diopter	●	●	●
OBJECTIVES	LWD Infinity Plan Achromatic Phase Contrast Objective 4x/0.13 N.A. WD = 10.4 mm	●	●	●
	LWD Infinity Plan Achromatic Phase Contrast Objective 10x/0.25 N.A. WD = 7.3 mm	●	●	●
	LWD Infinity Plan Achromatic Phase Contrast Objective 20x/0.40 N.A. WD = 6.8 mm	●	●	●
	LWD Infinity Plan Achromatic Phase Contrast Objective 40x/0.65 N.A. WD = 3.05 mm	-	-	●
HEAD TYPE	Trinocular Head, 45° inclined, 360° rotatable, 50:50 light split	●	●	●
NOSEPIECE	Quadruple Objective Nosepiece	●	●	●
CONDENSER	N.A. 0.3 Condenser, WD = 78mm, Removable	●	●	●
FOCUS	Coaxial Coarse and Fine Adjustment, tension adjustment, precision: 0.002mm	●	●	●
MECH. STAGE	Attachable Mechanical Stage, Moving Range: 120x80mm, includes vessel holders	-	●	●
ILLUMINATION	5W LED Transmitted Illumination	●	●	●
PHASE SLIDER	Pre-Centered Phase Contrast Slider 4x-40x	●	●	●
FILTERS	45mm IF550 Filter	●	●	●
	45mm LBD Filter	●	●	●
FILTER SLIDER	Two-position filter slider, 45mm	●	●	●

# EXPLODED DIAGRAM

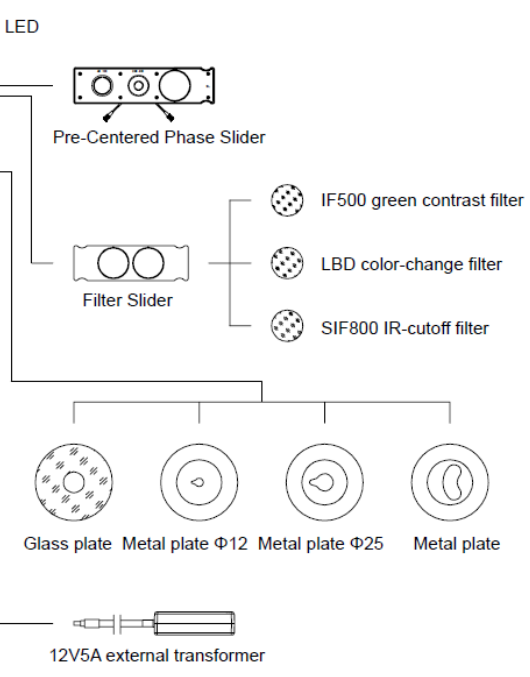
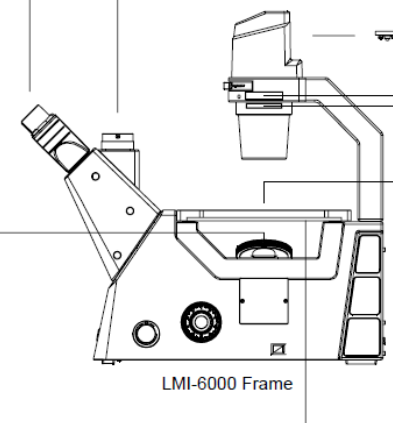
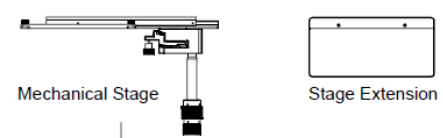
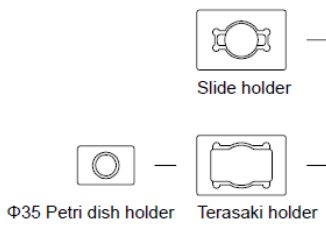
Still Camera  Video Camera 

## EYEPIECES

## C-MOUNT ADAPTERS



- LWD Plan Achromatic Objectives  
4X   10X   20X   40X   60X
- LWD Plan Achromatic Phase Contrast Objectives  
4X   10X   20X   40X
- LWD Plan Fluorite Objectives  
4X   10X   20X   40X   60X
- LWD Plan Fluorite Phase Contrast Objectives  
20X   40X





LMC-6000 Version 1.0

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