

Living up to Life

Leica
MICROSYSTEMS

Leica DMi

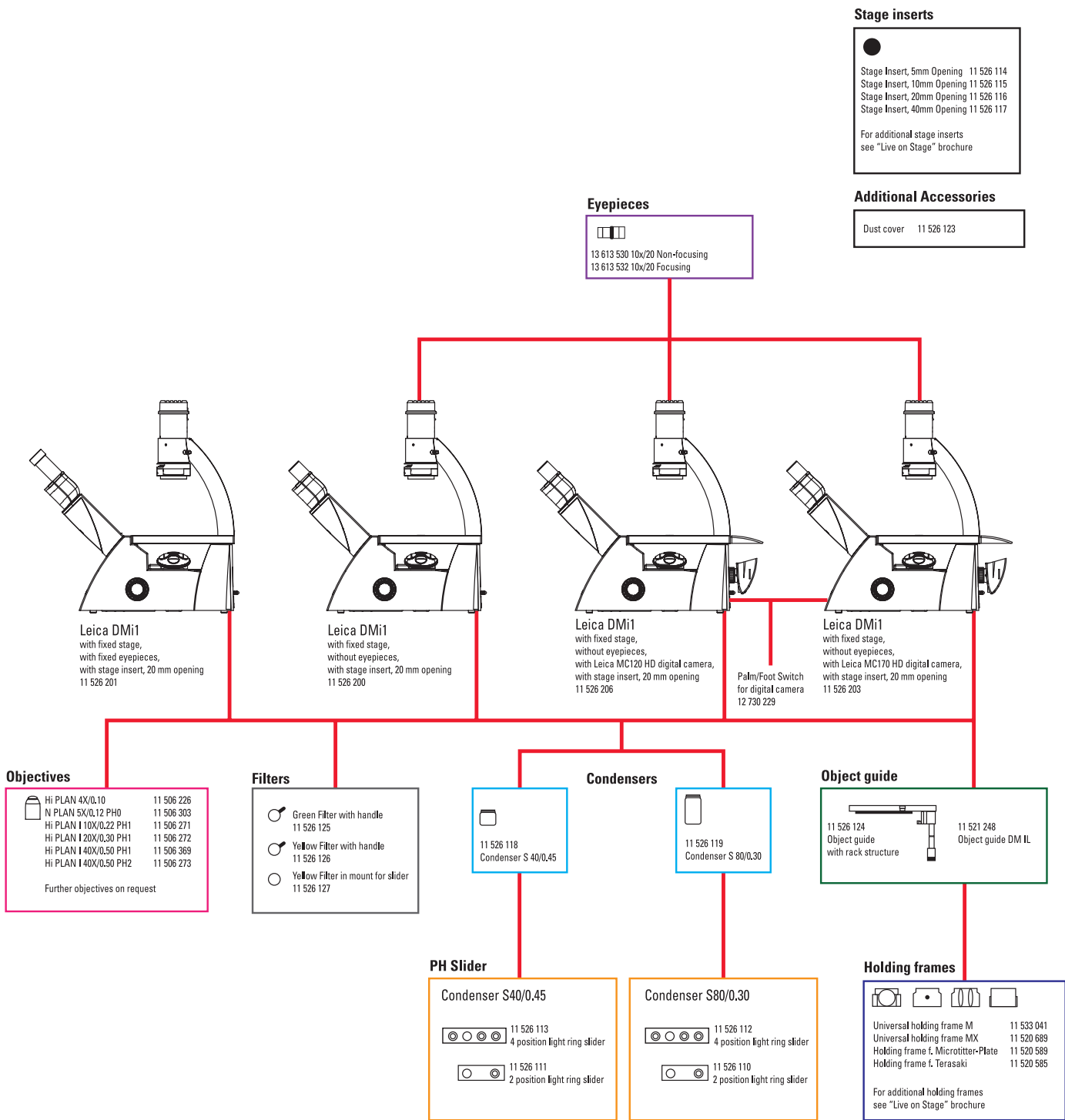
Designed for Cell
and Tissue Culture

JUST RIGHT –
SMART CHOICE

Technical Data



Leica DMi1 System Diagram



Leica DMi1 Product Features

TRANSMITTED LIGHT ILLUMINATION

- 5W LED illumination with up to 20 years life cycle (40 working hours / week), offers wide power range from 110–240V / 50–60Hz
- Automatic intensity adjustment of illumination to phase contrast and brightfield
- 2 hour auto-off for enhanced safety and extended life cycle
- Illuminated on / off switch
- Constant color temperature, no flash or color changes
- No heat development, ideal environment for specimens

PHASE CONTRAST

- For all magnification levels between 5x and 63x
- For all Leica DMi1 condensers
- No installation or adjustment required

UNIQUE CONDENSER MOVEMENT MECHANISM

- Simple exchange of S40 for S80 condenser within a few steps
- No need for removal of the whole illumination arm

S40 / 0.45 CONDENSER

- High resolution for clear distinction of adjacent cell structures
- Up to 50 mm working distance

S80 / 0.30 CONDENSER

- 80 mm working distance with N.A. 0.30
- Allows the use of large flasks without sacrificing optical quality

DIGITAL HDMI CAMERA VERSION

- 2.5 or 5 megapixel camera
- Camera mounted on the back of the stand provides clear view of specimens
- Integrated C-mount, no trinocular tube needed
- HDMI port to connect directly with HDMI monitor, no need for a PC
- SD card for immediate storage of images / movies and easy transfer
- LAS software core version for basic analysis and annotations on connected PC

DESIGN AND STABILITY

- Durable stage extends life of microscope
- Rugged all-metal base and low center of gravity provide a stable platform to maintain cell viability
- Space-saving design
- Plenty of room for access to sample
- Low stage height

COMPATIBILITY

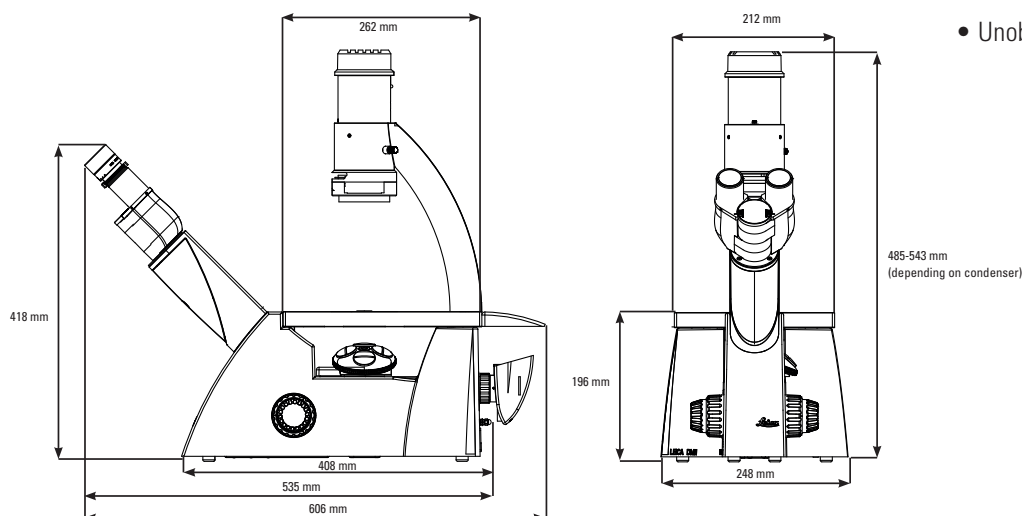
- Compatible with Leica DM IL components: objectives, eyepieces, condensers, object guides, and accessories
- Offers flexibility and cost savings by using existing Leica components across platforms

OUTSTANDING OPTICS

- HC optics, compatible with high-end components
- Field of view: 18 mm or 20 mm

ERGONOMICS

- Simple and intuitive operation
- Ergonomic design suitable for daily use
- All controls are easy to reach
- Unobstructed view of the specimen



SPECIFICATIONS

Optical system	<ul style="list-style-type: none"> • Infinity corrected (HCS)
Power	<ul style="list-style-type: none"> • Input: 100–240V AC, 50/60Hz • Output: 5V DC
Contrast methods	<ul style="list-style-type: none"> • Transmitted light: Brightfield, Phase Contrast
Transmitted light axis	<ul style="list-style-type: none"> • Integrated 5W LED Illumination manual adjustment of <ul style="list-style-type: none"> – Brightness – Aperture diaphragm – Automatic power shutoff (adjustable)
Tube	<ul style="list-style-type: none"> • With fixed eyepieces FOV 18 • For exchangeable eyepieces FOV 20
Focus	<ul style="list-style-type: none"> • Coarse and fine focusing, travel range 9 mm, min. adjustment: 2 µm
Objective nosepiece	<ul style="list-style-type: none"> • Manual, 4 position, for objectives with M25 thread
Stage	<ul style="list-style-type: none"> • Fixed stage: (L x W) 262 mm x 212 mm • Attachable object guide for fixed stage (option)
Condenser	<ul style="list-style-type: none"> • S80/0.30 condenser or • S40/0.45 condenser (interchangeable)
Phase contrast slider	<ul style="list-style-type: none"> • 2 position slider (BF / PH1) for S40 or for S80 condenser • 4 position slider (BF / PH0 / PH1 / PH2) for S40 or for S80 condenser
Camera	<ul style="list-style-type: none"> • Leica MC120 (2.5 megapixels) • Leica MC170 (5.0 megapixels)

