

From Eye to Insight

*Leica*  
MICROSYSTEMS

## DMi1

Designed for Cell  
and Tissue  
Culture

JUST RIGHT –  
SMART CHOICE

Technical Data




# DMi1 System Diagram

## Stage inserts



 Stage Insert, 5mm Opening 11 526 114  
 Stage Insert, 10mm Opening 11 526 115  
 Stage Insert, 20mm Opening 11 526 116  
 Stage Insert, 40mm Opening 11 526 117

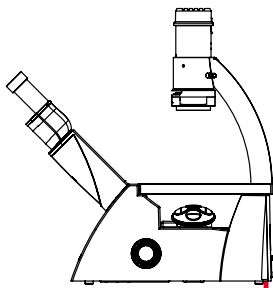
For additional stage inserts see "Live on Stage" brochure

## Additional Accessories

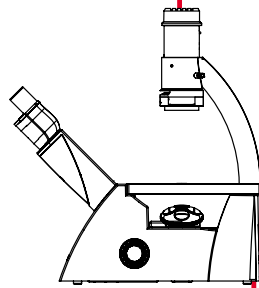

 Dust cover 11 526 123

## Eyepieces

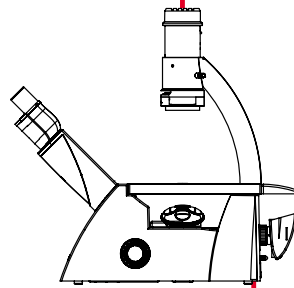

 13 613 530 10x/20 Non-focusing  
 13 613 532 10x/20 Focusing



**DMi1**  
 with fixed stage,  
 with fixed eyepieces,  
 with stage insert, 20 mm opening  
 11 526 201




**DMi1**  
 with fixed stage,  
 without eyepieces,  
 with stage insert, 20 mm opening  
 11 526 200



**DMi1**  
 with fixed stage,  
 without eyepieces,  
 with Leica Flexacam C5 digital camera  
 with stage insert, 20 mm opening  
 11 526 225

## Objectives



 HI PLAN 4X/0.10 11 506 226  
 N PLAN 5X/0.12 PH0 11 506 303  
 HI PLAN I 10X/0.22 PH1 11 506 271  
 HI PLAN I 20X/0.30 PH1 11 506 272  
 HI PLAN I 40X/0.50 PH1 11 506 369  
 HI PLAN I 40X/0.50 PH2 11 506 273


Further objectives on request

## Filters

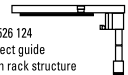
 Green Filter with handle 11 526 125  
 Yellow Filter with handle 11 526 126  
 Yellow Filter in mount for slider 11 526 127


## Condensers


 11 526 118  
 Condenser S 40/0.45


 11 526 119  
 Condenser S 80/0.30


## Object guide



 11 526 124  
 Object guide with rack structure


 11 521 248  
 Object guide DM IL


## PH Slider


### Condenser S40/0.45


 11 526 113  
 4 position light ring slider






 11 526 111  
 2 position light ring slider

### Condenser S80/0.30


 11 526 112  
 4 position light ring slider


 11 526 110  
 2 position light ring slider

## Holding frames


 Universal holding frame M 11 533 041  

 Universal holding frame MX 11 520 689  

 Holding frame f. Microtiter-Plate 11 520 589  

 Holding frame f. Terasaki 11 520 585

For additional holding frames see "Live on Stage" brochure

# DMi1 Product Features

## TRANSMITTED LIGHT ILLUMINATION

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- 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

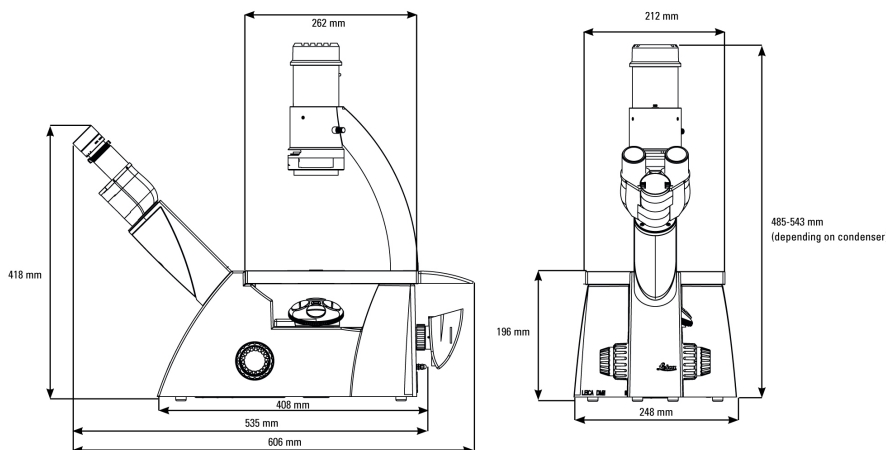
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- For all magnification levels between 5x and 63x
- For all Leica DMi1 condensers
- No installation or adjustment required

## UNIQUE CONDENSER MOVEMENT MECHANISM

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



## S40 / 0.45 CONDENSER

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

## S80 / 0.30 CONDENSER

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

## DIGITAL HDMI CAMERA VERSION

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- 12 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
- Capture directly to USB Stick or send images via E-Mail
- Enersight software for basic analysis and annotations on connected PC

## DESIGN AND STABILITY

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- 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

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- 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

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

## ERGONOMICS

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- 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"> <li>• Infinity corrected (HCS)</li> </ul>
Power	<ul style="list-style-type: none"> <li>• Input: 100 – 240V AC, 50 / 60Hz</li> <li>• Output: 5V DC</li> </ul>
Contrast methods	<ul style="list-style-type: none"> <li>• Transmitted light: Brightfield, Phase Contrast</li> </ul>
Transmitted light axis	<ul style="list-style-type: none"> <li>• Integrated 5W LED illumination manual adjustment of             <ul style="list-style-type: none"> <li>– Brightness</li> <li>– Aperture diaphragm</li> <li>– Automatic power shutoff (adjustable)</li> </ul> </li> </ul>
Tube	<ul style="list-style-type: none"> <li>• With fixed eyepieces FOV 18</li> <li>• For exchangeable eyepieces FOV 20</li> </ul>
Focus	<ul style="list-style-type: none"> <li>• Coarse and fine focusing, travel range 9 mm, min. adjustment: 2 <math>\mu</math>m</li> </ul>
Objective nosepiece	<ul style="list-style-type: none"> <li>• Manual, 4 position, for objectives with M25 thread</li> </ul>
Stage	<ul style="list-style-type: none"> <li>• Fixed stage: (L xW) 262 mm x 212 mm</li> <li>• Attachable object guide for fixed stage (option)</li> </ul>
Condenser	<ul style="list-style-type: none"> <li>• S80 / 0.30 condenser or</li> <li>• S40 / 0.45 condenser (interchangeable)</li> </ul>
Phase contrast slider	<ul style="list-style-type: none"> <li>• 2 position slider (BF / PH1) for S40 or for S80 condenser</li> <li>• 4 position slider (BF / PH0 / PH1 / PH2) for S40 or for S80 condenser</li> </ul>
Camera	<ul style="list-style-type: none"> <li>• Flexacam C5 (12 megapixels)</li> </ul>



Leica Microsystems CMS GmbH | Ernst-Leitz-Strasse 17–37 | D-35578 Wetzlar (Germany)  
Tel. +49 (0) 6441 29-0

[www.leica-microsystems.com](http://www.leica-microsystems.com)

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