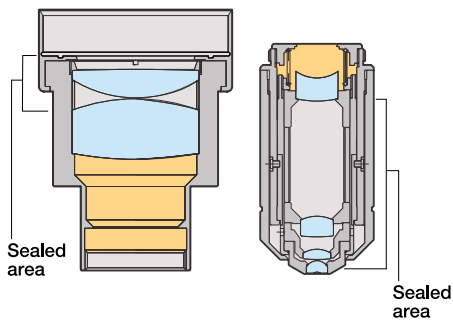




Key Features



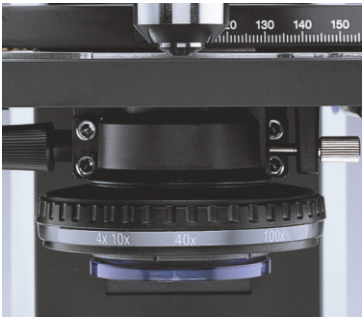
Anti-fungus treatment for component durability



Rackless stage for durability & ease of use



Mechanical stage focus-lock prevents mishaps



Abbe condenser for optimized contrast



Individual choice of adjustment through
Interpupillary distance adjustment



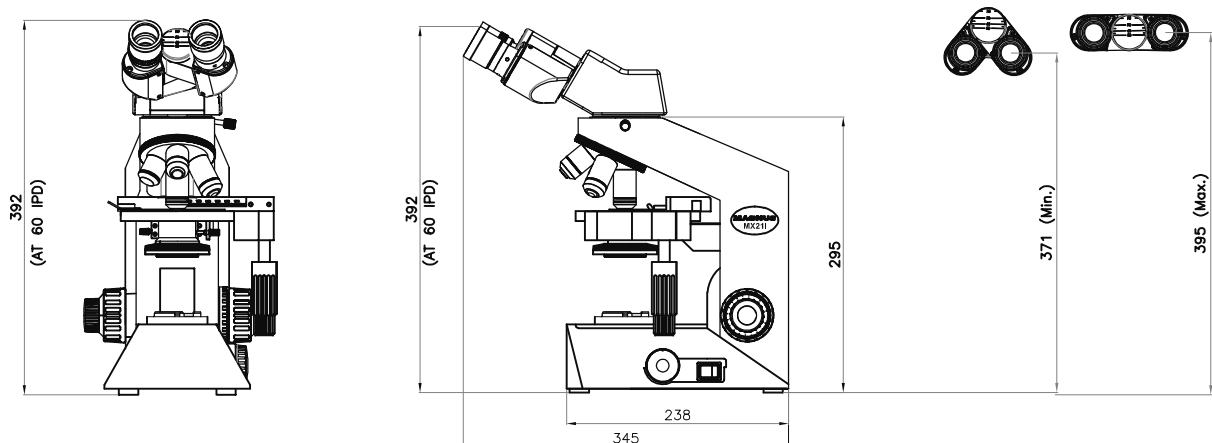
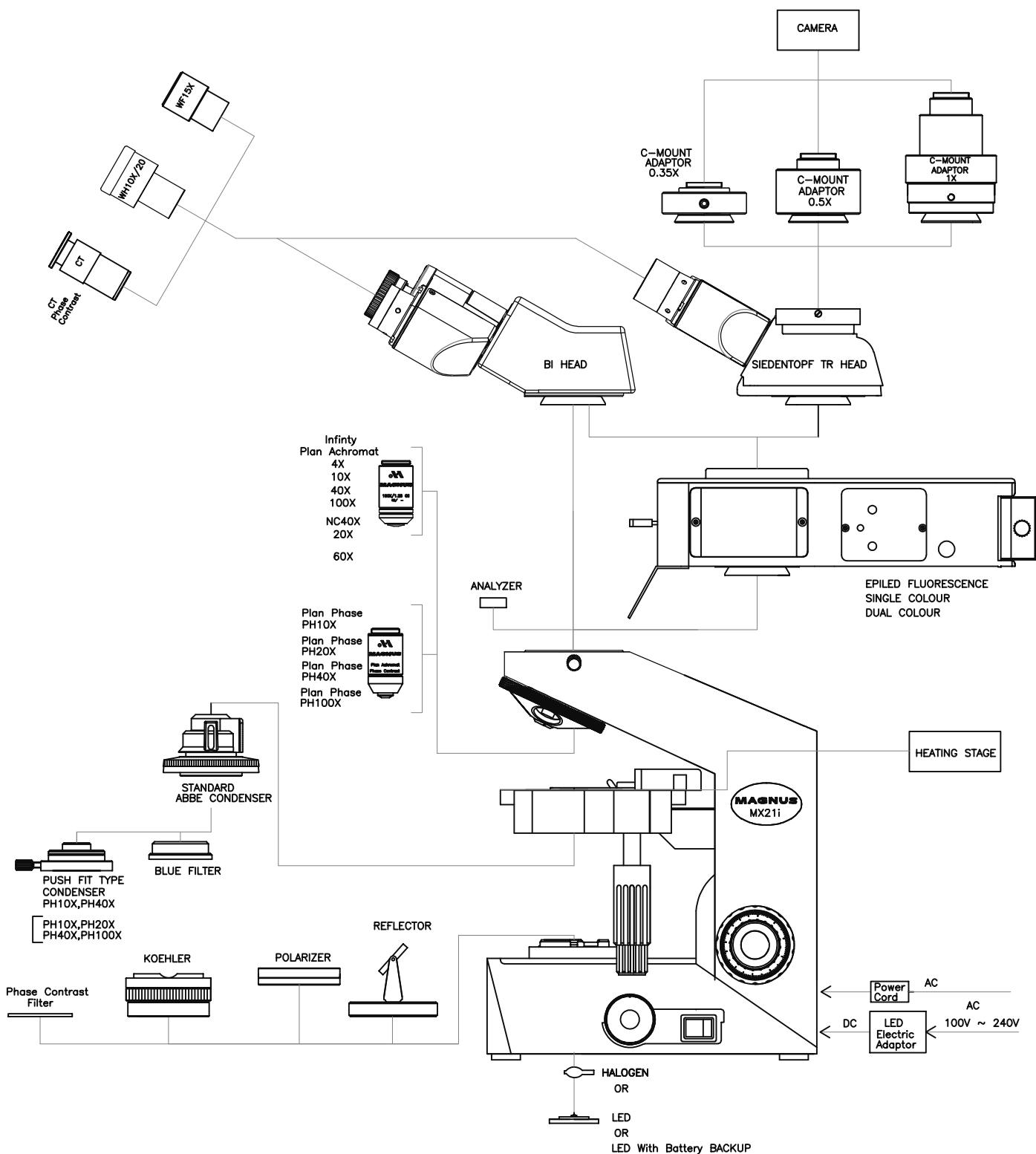
Component Security

The eyepieces, condenser are securely locked ensuring that no component is dropped or detached during regular use or transportation



Angled arm enables comfortable carrying

System Diagram



ALL DIMENSIONS ARE IN MM

Magnus Research Microscope Specifications

Item	Specifications	MX21i Binocular Version	MX21i Trinocular Version															
Optical System	UIS2 Infinity corrected plan optics	✓	✓															
Body	Alluminium die-cast body with all critical movements based on ball bearing and wire guides thereby ensuring smooth and precise manipulation	✓	✓															
Mechanical Stage	Co-axial low drive mechanical stagewith wire movement (120mm x 132mm) (+-5mm) with traverse area of 30mm x 76mm with slide holder	✓	✓															
Focusing System	Co-axial coarse and fine controls with a focus adjustment and fine adjustment knobs. Coarse focus range 20mm. Fine focus rotation 0.3mm	✓	✓															
Condenser Holder	Rack & pinion mounted condenser holder	✓	✓															
Condenser	Abbe condenser with aperture iris diaphragm (N.A. 1.25) focusable with rack & pinion and a continously variable iris diaphragm	✓	✓															
Illumination	(a) Built-in illumination base with pre-centered 6V 20W halogen light source coupled with an efficient collector lens system. Universal power supply 100V-230V AC 50Hz single phase	✓	✓															
	(b) 3W LED light source high brightness, longlife (30,000hrs)	✓	✓															
	(c) 1W LED light source (with battery back-up) High brightness, long life (30,000hrs). Battery back-up in-built NiMH Rechargeable batteries provide 6 to 8 hrs back-up on a full charge	✓	✓															
Nosepiece	Quadruple revolving nosepiece based on precision ball-bearing mechnism with positive click stop	✓	✓															
Objectives	<table><tr><td>Plan Achromat Objectives</td><td>N.A</td><td>W.D</td></tr><tr><td>4x</td><td>0.10</td><td>18.5mm</td></tr><tr><td>10x</td><td>0.25</td><td>10.6mm</td></tr><tr><td>40x (spring loaded)</td><td>0.65</td><td>0.6mm</td></tr><tr><td>100x (oil, spring loaded)</td><td>1.25</td><td>0.13mm</td></tr></table>	Plan Achromat Objectives	N.A	W.D	4x	0.10	18.5mm	10x	0.25	10.6mm	40x (spring loaded)	0.65	0.6mm	100x (oil, spring loaded)	1.25	0.13mm	✓	✓
Plan Achromat Objectives	N.A	W.D																
4x	0.10	18.5mm																
10x	0.25	10.6mm																
40x (spring loaded)	0.65	0.6mm																
100x (oil, spring loaded)	1.25	0.13mm																
Inclined Observation Head	Siedentopf design Binocular observation tube inclined at 30 degree, 360 degree rotatable with diopter adjustment	✓																
	Siedentopf design Trinocular observation tube inclined at 30 degree, 360 degree rotatable with diopter adjustment		✓															
Eyepiece (wide field) for Observation	WH 10x (FN 20mm) paired eyepiece. The unique optical design provides relief from eye fatigue and renders wide-field images of utmost clarity. available eyepiece micrometer	✓	✓															

Accessories

✓ Camera Attachment	✓ LED Fluorescence Attachment
✓ Simple Polarizing Attachment	✓ Darkfield Attachment (dry or oil)
✓ Phase Contrast Attachment	✓ 15x eyepiece (F.N. 14, anti-fungus)
✓ Optional 2.5x & 60x objective	✓ Digital Imaging Head with iPad

Specifications and appearances are subject to change without any notice or obligation on the part of the Manufacturer



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