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**Magnus**

**UIS2**  
World-leading optics

**Clinical  
Microscope**

**MX21i**

### Key Features

- ➔ Ergonomic & compact design for user convenience
- ➔ Anti-fungus treatment for component durability
- ➔ High eyepoint design eyepiece (F.N. 20)
- ➔ SMPS circuit for constant voltage output
- ➔ Rackless stage for durability and ease of use
- ➔ Component security - student proof
- ➔ Choice of halogen, LED illumination & Battery Backup

### Optional Accessories



Dual EpiLED  
Attachment



Trinocular Head With  
USB Digital Camera



[www.magnusopto.com](http://www.magnusopto.com)

# SPECIFICATIONS

## Magnus Clinical Microscope Model MX21i

Item	Specifications	MX21i Binocular Version	MX21i Trinocular Version
Body	Aluminium 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 (+/-5mm) with single 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 0.25mm	✓	✓
Condenser Holder	Rack and pinion mounted condenser holder	✓	✓
Condenser	Abbe condenser with aperture iris diaphragm (N.A. 1.25) focusable with rack & pinion and a continuously variable iris diaphragm	✓	✓
Illumination Base With Option	(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	MX21i	MX21i-TR
	(b) 3W LED light source high brightness, longlife (30,000hrs)	MX21i-LED	MX21i-TR-LED
	(c) 1W LED light source (with battery back-up high brightness, longlife (30,000hrs). Battery back-up in-build NiMH rechargeable batteries provides 6 to 8 hrs back-up on full charge	MX21i-Freedom	MX21i-TR-Freedom
Nose Piece	Quadruple revolving nosepiece based on precision ball-bearing mechanism with positive click stop	✓	✓
Objectives	Plan Achromat Objectives		
	4x	0.10	18.69mm
	10x	0.25	10.60mm
	40x (spring loaded)	0.65	0.62mm
	100x (oil, spring loaded)	1.25	0.13mm
Inclined Observation Head	Binocular head (30 degree inclined siedentopf), 360 degree rotatable, diopter adjustment	✓	
	Trinocular head (30 degree inclined siedentopf), 360 degree rotatable, diopter adjustment		✓
Eyeiece (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. Compatible with optionally available eyepiece micrometer	✓	✓

# ACCESSORIES

✓ Camera attachment	✓ LED fluorescence attachment
✓ Simple polarizing attachment	✓ Darkfield attachment (dry or oil)
✓ Phase contrast attachment (10X,20X,40X,100X)	✓ 15x eyepiece (F.N. 14, anti-fungus)
✓ Koehler attachment	✓ Binocular and Trinocular versions

**Magnus**

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All standard sets are supplied as per specifications which are subject to change without any obligation on the part of the manufacturer.  
 Optics are anti-fungus treated & with multi-layer coatings. Accessories shown may not be part of standard equipment.