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**MAGNUS**

**Biological  
Microscope**

# CH20*i*

## Key Features

- Anti fungus optics
- Optics with multi-layer coating
- Easily interchangeable objectives
- Main operating controls within easy reach
- Choice of halogen, LED illumination & Battery Backup
- Optimization of illumination with aspheric lenses
- Available in binocular and trinocular version

## Optional Accessories



Phase Contrast  
Attachment



Trinocular Head With  
USB Digital Camera



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# SPECIFICATIONS

## Magnus Biological Microscope Model CH20i

Item	Specifications	CH20i Binocular Version	CH20i 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 stage (120mm x 132mm) (+/-5mm) with traverse area of 25mm x 76mm (+/-5mm)	✓	✓
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 & opinion and a continuously variable iris diaphragm with a removable blue filter for day light observation	✓	✓
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	CH20i	CH20i-TR
	(b) 3W LED light source high brightness, longlife (30,000hrs)	CH20i-LED	CH20i-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	CH20i-Freedom	CH20i-TR-Freedom
Nose Piece	Quadruple revolving nosepiece based on precision ball-bearing mechanism with positive click stop.	✓	✓
Objectives	iNEA achromat 4x (anti-fungus) iNEA achromat 10x (anti-fungus) iNEA achromat 40x (anti-fungus) iNEA achromat 100x (anti-fungus) spring, oil	✓	✓
Inclined Observation Head	Binocular observation tube (inclination 45°, interpupillary distance adjustment range 53-75 mm), diopter adjustment on the left	✓	
	Trinocular observation tube (inclination 45°), diopter adjustment on the left		✓
Eyepiece (wide field) for Observation	iCWHK 10X (LB eyepiece 10X), F.N.18mm, (anti-fungus) (x2)	✓	✓

# ACCESSORIES

✓ Phase contrast attachment 10x, 40x	✓ Koehler attachment
✓ Camera attachment	✓ 15x eyepiece (anti-fungus)
✓ Binocular and Trinocular versions	

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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.