

Surgical Operating Microscope
Model: Ocula



The motorized joystick makes easy with gentle push with one finger to control fine optical head movements even without moving the carrier arm by accessing the electromagnetic brakes



Sanma's precision optics designed to symbolizes quality and clear anatomical view

The perfect uniform illumination gives the clear focusing depth of stereoscopic vivid three dimensional Vision

Integrated Camera Options

Optional : HD 1CMOS / 3CMOS / 4K

Recorder : Flash memory / 500GB HDD Internal

Optional: Provision to fix Endoscope camera

Apo-Chromatic Optics

1:6 Zoom Controlled by Handgrip

200mm-500mm Variable Focal lens

Fluorescence : Blue 400 / Yellow 560 / Infrared 800

Illumination: Xenon / LED, With Stand by Light Source

Easy Lamp Changing Option

Day Light Color Temperature

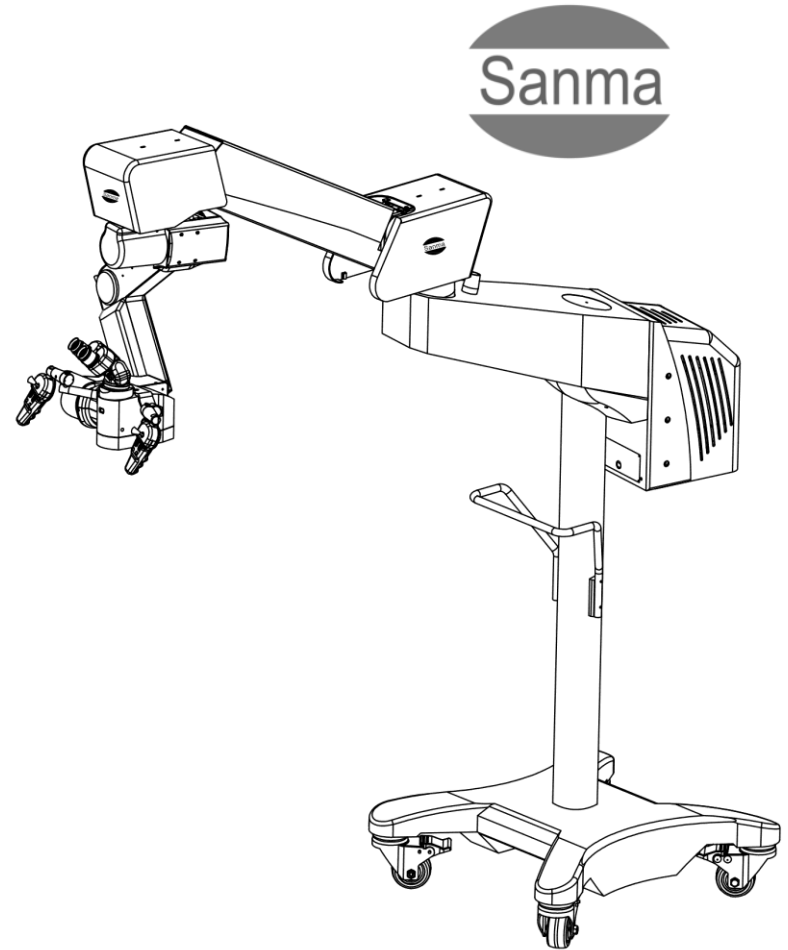
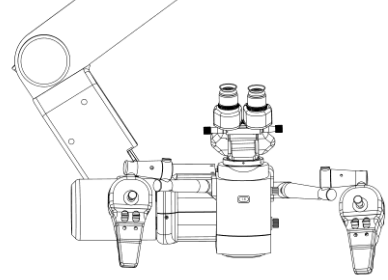
Gaussian Distribution Spot Illumination

Multi Functional Handgrip for Zoom, Focus, Electro magnetic Brakes, Joystick powered optical head movements,



Technical Data – Ocula

Optics	Fully Apochromatic optics with Multi Layer AR Coating	
	Eye Piece	10x or 12.5x Wide field & High Eye point
	Binocular View	0°-210°Tiltable Binocular Tube
	Magnification	1:6 Motorized Zoom 4x – 24x
	Objective / Focus	iFocus Motorized Multifocal optics with Working distance 200 – 500mm
Illumination	Option 1: 300W Xenon Lamp with Standby Hi-power LED through fused OFC	
	Option 2: Dual, independently powered Hi-power LED through fused OFC	
	Day light Colour Temperature	
	Easy Lamp Changing Provision	
Fluorescence	Continuously variable Illumination Spot diameter with Gaussian distribution	
	Blue 400	
	Yellow 560	
Video	Infrared 800	
	Integrated Camera	Recorder
	<ul style="list-style-type: none"> • 1CMOS full HD (1080p) • 3CMOS full HD (1080p) • 4k CMOS 	<ul style="list-style-type: none"> • External USB Port (Flash Drive / HDD) • Output: HD-SDI • Optional 500GB Internal Memory
Microscope Movement	Electromagnetic Breaks	
	Joystick powered Fine optical head movement independently for swivel and axial movements	
	Multifunctional Handgrip for Zoom & Focus	
	Optional: Multifunctional Foot Control for zoom & Focus	
Stand Part	Horizontal Length of arms: 1430mm	
	Vertical Height from Objective Lens: Min. 900mm / Max. 1780mm	
	Arm Rotation: 300°	
	Carrier Arm Length: 900mm	
	Base Size: 730 x 730mm	
	Mobility: On 4 Lockable Castor Wheels	
Accessories	Power Supply: AC 220V ± 20V 50Hz	
	Stereo Co-Observer Tube	
	Face to Face Attachment	
	0°-210°Tiltable Binocular Tube	
	Endo port (Provision to fix Endoscope camera)	



Surgical Operating Microscope for

- ❖ ENT
- ❖ Neuro / Spine
- ❖ Ophthalmic
- ❖ Plastic & Reconstructive
- ❖ Dental

Certification & Regulatory

Medical Device Directive 93/42/EEC
EMC Directive 89/336/EEC
Clinical Evaluation MEDDEV 2.7.1, Rev.04
Technical dossier as per MEDDEV 2.5.1
EN ISO 13485:2016 CB: BSI, Certificate no.: MD 667228
ICMED 00019:13485

Original Equipment Manufacturer

Sanma Medineers Vision Private Limited
20, Brahmin Street, Korattur,
Chennai – 600080, India
www.sanmas.com

Authorized Re-Seller in Tamil Nadu
Innovative Tech Systems
+91-9976645678 / +91 - 9942314567
Email: innovative.che@gmail.com