

# Sanma



Vibrant Micro-Dentistry View



## Sanma's Luminal Dental Operating & Visual System

- Optics designed for perfect quality image
- Perceptive day light illumination
- Vivid stereoscopic three dimensional view
- Ensures comfort micro-dentistry procedures
- Endorse successful dental treatment

### Features

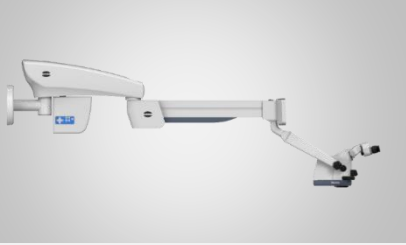
- ❑ Integrated optical angulated binocular extender
- ❑ 0°–210 ° tilt able binocular eye piece
- ❑ Motorized controlled step magnification or 1:6 ratio zoom
- ❑ Ifocus 200mm – 500mm continuous variable working distance
- ❑ Inbuilt full HD CMOS Camera
- ❑ High resolution video recording & still image storage in flash drive memory stick
- ❑ On/off: video recording & still image control buttons
- ❑ 7'' TFT touch screen to view and control: rec on/off, still image & AWB

| Features                                | Essential                                                                                                                                                                                                                                           | Options                                                                                                                        |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Optics<br>Eye Piece                     | Full Apochromatic Galilean Type<br>10 X Wide Field & High Eye Point                                                                                                                                                                                 | Optional: 12.5X                                                                                                                |
| Binocular Tube<br>Diopter<br>Adjustment | 0° - 210° tiltable<br><br>+6 to -6                                                                                                                                                                                                                  | <ul style="list-style-type: none"> <li>▪ Magnetic locks</li> <li>▪ Dioptre setting from -8D to +5D</li> </ul>                  |
| Binocular Tube<br>IPD                   | 0° - 210° tiltable binocular tube<br>Integrated Eye piece extender<br>50mm to 75mm                                                                                                                                                                  | 15° Binocular tube rotator                                                                                                     |
| Magnification                           | 5 Step<br>(4x / 6x / 10x / 16x / 25x)                                                                                                                                                                                                               | <ul style="list-style-type: none"> <li>• Motorized control 1:6 ratio continuous zoom</li> <li>• Foot Switch Control</li> </ul> |
| Objective Focal<br>Lens - iFocus        | f 200mm - 500mm Variable Objective<br>Lens controlled motorized Handgrip &<br>Manual Knob                                                                                                                                                           | <ul style="list-style-type: none"> <li>• Foot Switch Control</li> </ul>                                                        |
| Optical Head<br>Swivel                  | 0° to 90° axially and 180° side wise                                                                                                                                                                                                                |                                                                                                                                |
| Illumination                            | Hi-Power LED<br>Homogenous Co-axial shadow free Bright<br>White Spot<br>Integrated UV Filter                                                                                                                                                        | Optional: Automatic lamp cut off by moving up the carrier arm at rest position                                                 |
| Camera System                           | <ul style="list-style-type: none"> <li>• Full HD CMOS</li> <li>• vide recording stored &amp; still image</li> <li>• Storage options through external Flash drive memory stick</li> <li>• 7' monitor integrated in microscope carrier arm</li> </ul> | Optional 4K Camera                                                                                                             |





Ceiling Mount



Wall Mount



## Sanma

The use of operating microscope has rapidly become an everyday tool in every aspect of dentistry widely in micro-dentistry applications. The key factors of the Sanma DOM are income-generating ability by improved dental procedures through easy handling of the equipment; enhance training for dental assistant and patient education

### Product Regulatory

- Medical Device Directive 93/42/EEC
- EMC Directive 89/336/EEC
- E.A.R regulation (EU) 2017/745 on medical devices – AJC 0031-2023
- 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 13485

Operating microscope for other micro-surgical specialties.

- Neuro
- Spine
- Ophthalmology
- ENT
- Plastic & Reconstructive
- Andrology
- Colposcopy

Specifications & Design are subject to change without prior notice  
as a result of further product development  
© Sanma Medineers Vision Private Limited  
All Rights Reserved  
2023

