



# SM620

## Dental Surgical Microscope

**Details Make the Difference**

# Modern Micro Treatment

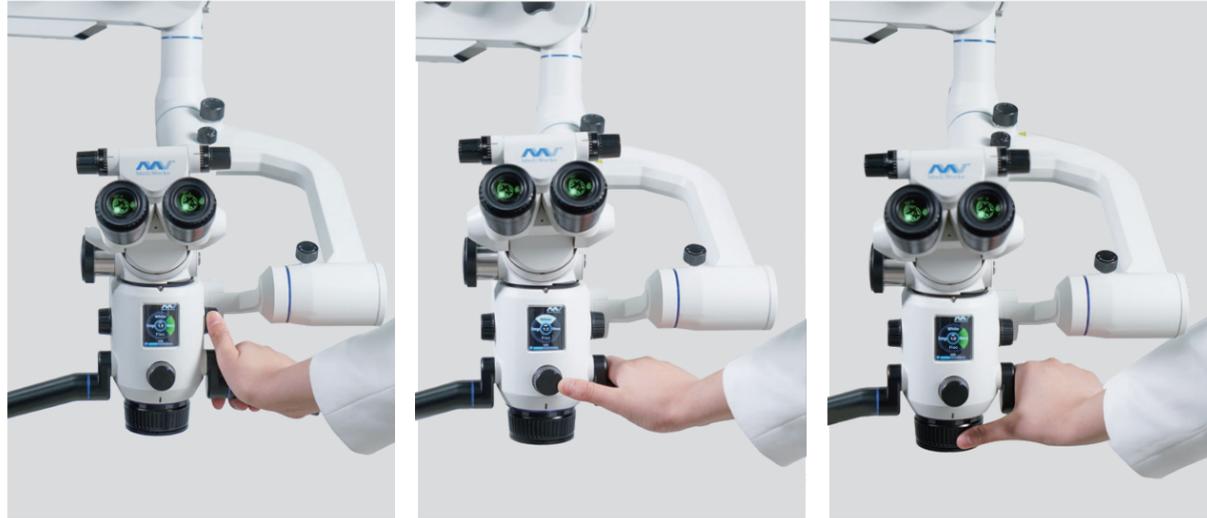


## 5 in 1 Module

Integrate 30° extender, beam splitter, rotation ring, 4 K camera and iris diaphragm, not only improves the optical performance, but also reduces the weight of external accessories. Internal 4 K camera with lower noise, higher sensitivity and resolution. The iris diaphragm is able to control the depth of field.

## Single Finger Control

With only one finger, you can reach the magnification knob, multi-function knob and variofocus objective lens with upright sitting position.



## Multiple Filter Modes

By using the multi-function knob, you can change the filter modes.

### Orange filter

Used for material filling, can prevent resin material curing too fast.



### White light source

Using medical LED light source with high CRI, excellent color restoration and uniformity of lighting spot.



### Green filter

Used for observing the small vessels and bleeding points in this blood environment.

### Fluorescent filter(opt.)

Used for distinguishing resin materials and finding the hidden caries.



## Superb Balance Arm

Equipped with dual-joint balance adjustment, the balance arm assures a ultra-smooth and ergonomic extension for dentists.



## Information Display

The LED display will be visually showing filter mode, zoom magnification factor and illumination statuses.

## Zoom System

Continuous magnification system of 0.4 x to 2.4 x. Continuously view at the highest magnification without over or under-sizing the viewing field.

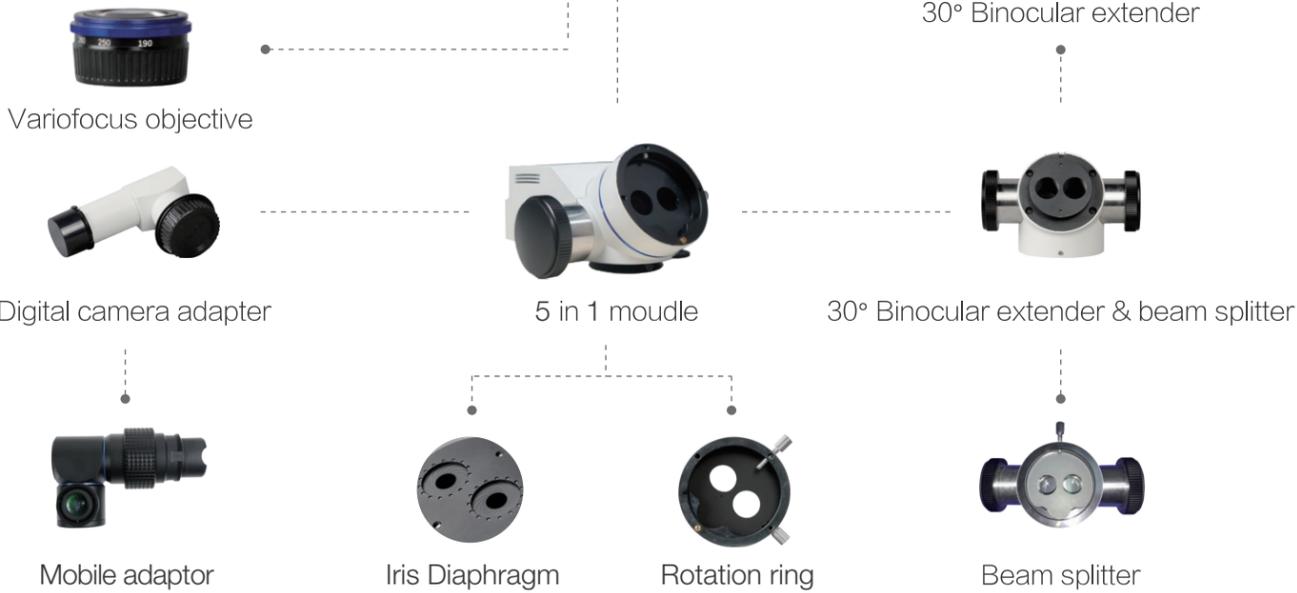
## Cutting-edge Optics

Advanced optical lens with Apochromatic Design (APO), able to remove color difference, improve articulation index and increase the depth of field.

## Variofocus Objective

Variable working distance of 190 mm - 460 mm





# Specifications

Dental Surgical Microscope	Classic	Pro	Pro+
Zooming-Magnification-Changer, 0.4 x - 2.4 x	●	●	●
180° Tiltable Binocular with PD Adjustment	●	●	●
12.5 x Wide-Field Eyepieces, Diopter Adjustable of Eyepiece ± 7 D	●	●	●
IPD 52 mm - 75 mm	●	●	●
FOV 65 mm - 10 mm	●	●	●
Multi-Function Knob	●	●	●
Information Display	●	●	●
Illumination Intensity >70000 lx (F250)	●	●	●
Built-in LED	●	●	●

Objectives	Classic	Pro	Pro+
Varifocal 270, F=190 mm - 460 mm	●	●	●
Dust Cap for Objective Lens	●	●	●

Functions/Filters	Classic	Pro	Pro+
Orange Filter & Green Filter	●	●	●
Fluorescence Mode	opt.	opt.	opt.
APO Design	●	●	●

Digits	Classic	Pro	Pro+
30° Binocular Extender with Built-in Beam Splitter	○	●	○
5 in 1 Module: Binocular Extender & Beam Splitter & Rotation Ring & 4 K integrated Camera(Foot Switch associated) & Iris Diaphragm	○	○	●
Digital Camera Adaptor (Optional: Sony, Canon or Nikon)	○	●	○
360° Cell Phone Adaptor	○	opt.	opt.
Built-in Battery and HDMI Cable (Optional Camera Type: Sony, Canon or Nikon)	○	●	○

Mounting System	Classic	Pro	Pro+
Floor Mount, Ceiling Mount, Wall Mount	●	●	●

Accessories	Classic	Pro	Pro+
25° Binocular Rotation Ring	○	●	○
Foot Switch (Optional Camera Type: Sony, Canon or Nikon)	○	●	○
Iris Diaphragm (Increase the Depth of Field)	opt.	opt.	●

Balance Arm	Classic	Pro	Pro+
Balance Arm	●	●	○
Superb Balance Arm	○	○	●



Classic



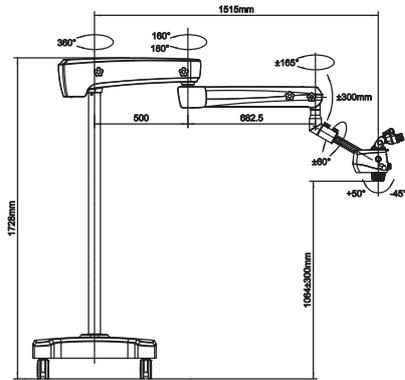
Pro



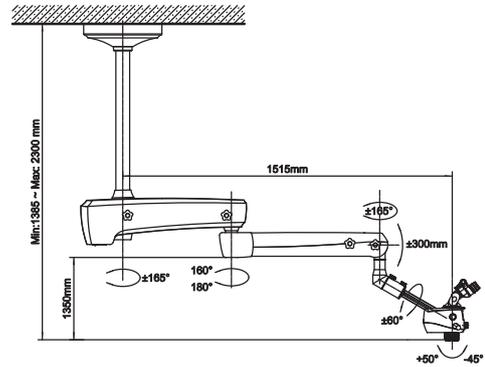
Pro+

# Suspension System Options

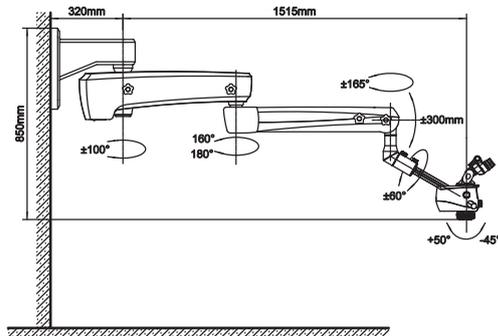
Floor mount



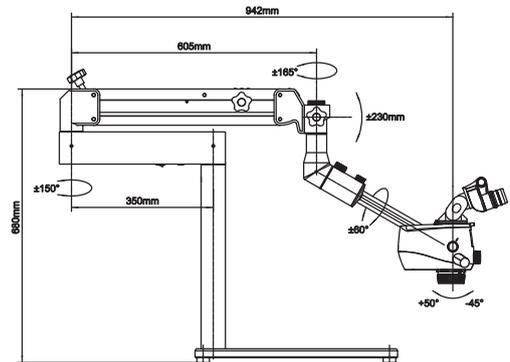
Ceiling mount



Wall mount



Desktop



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