

PREMIUM

DENTAL MICROSCOPE

LABOMED® 

LABOMED PRIMA PREMIUM DENTAL MICROSCOPES



The Prima Premium DNT microscope reflects a performance-driven and modular design for the evolving needs of today's dental professional. With an intelligent LED illumination system, crisp optics and fluid articulation, the Prima DNT is a technology leader among dental operating microscopes. A super bright LED delivers over 135,000 Lux with a natural daylight colour temperature. A run time of up to 60,000 hours eliminates the need for frequent bulb changes. Built-in electronics make for the most compact arm system around. An Apochromatic optical system produces superior resolution and artifact-free images for excellent visibility. Proprietary MaxLite™ coatings promise reflection-free and durable optics.

SPECIFICATIONS LABOMED PRIMA PREMIUM DENTAL MICROSCOPES

GENERAL SPECIFICATIONS

Suspension arm 1125 mm	✓
Viewing bodies Ergonomic binocular tubes 0°-210° tiltable, IPD range 55-75 mm, f=170 mm	✓
Magnichanger 5 step > 0.4x, 0.6x, 1.0x, 1.6x and 2.5x	✓
Eyepieces WF 10X/18 mm with foldable eye guards, diopter adjustment ± 5 mm with diopter lock	✓
Observation head Ergonomic adjustable handgrips for observation head	✓
Microscope carriers 120° carrier	✓
Illumination Fiber optic illumination 50W LED, up to 60,000 hours of LED lamp lifetime, 135,000 Lux	✓
Input AC 115-240V, 50/60Hz	✓
Filter Yellow and green filter with filter holder	✓
Vertical movement of arm 600 mm	✓
Fuse Quick-acting fuse 1.0 Amp	✓
Standard accessories Dust cover for microscope observation head and illumination box	✓
Beam splitter Double beam Splitter, inclined	✓
DSLR Camera Optics tube with all adapters to connect 4K camera	✓
SD-card Yes	✓
Camera system Canon EOS M200 4K camera	✓
Camera USB output On the arm of the microscope	✓
Bluetooth Yes, Bluetooth 4.2	✓
WiFi Yes, IEEE 802.11b/g/n	✓
HDMI 3x HDMI 4K output for multiple monitor use	✓
Wireless 4K HDMI 4K, max. 30 meter, 60 frames/sec, Zero delay (<5ms), transmitter build on microscope and receiver for the monitor	✓
iPhone USB charging point Yes	✓





WIRELESS & 4K



The Prima Premium microscope allows a connection to the monitor without cables. The Premium microscope box has an emitter that sends the 4K high resolution signal to a receiver connected to the monitor via HDMI. In this way the image signal from the microscope travels to the monitor in a safe, fast, high quality and wireless way.

HDMI



The camera's HDMI cable runs all the way inside the arm until it reaches the premium box. The premium box transforms this HDMI output in three. From these 3 HDMI outputs many devices can be connected: monitors, slide projector.... giving the dentist a range of possibilities when carrying out his work. On this way the cables are at the back of the microscope, leaving the head free and giving the dentist more space to work.

BLUETOOTH & WIFI



Thanks to the Camera Connect App and the WiFi / Bluetooth from the camera Canon M200 mounted on the Prima Premium you can use your telephone mobile as control remote, making photos and videos and saving them in your iPad or iPhone. Share them with your colleagues, clients or friends in a very easy and quick way through whats app or social media.

USB



The camera's USB cable runs all the way inside the arm until it reaches the premium box. The premium box transforms this USB output in one from where an USB cable can be connected to the computer and manipulate the camera's SD card. In the Premium box we also find a USB port to charge your iPhone or iPad while working. On this way the cables are at the back of the microscope, leaving the head free and giving the dentist more space to work.

LABOMED PRIMA PREMIUM DENTAL MICROSCOPE OVERVIEW



Wireless 4K secured connection. Transmitter and receiver are paired and only communicate within their pair.



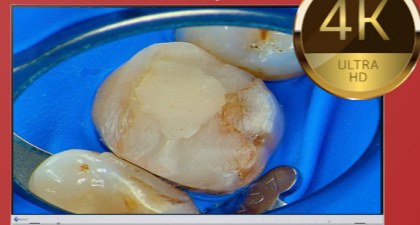
3x HDMI outputs



Bluetooth for connection with:



2x USB 2.0 outputs



Screens



iPhone or iPad



Remote Control



iPhone holder



iPad holder



File server



Screens



Beamers



Grabbers



iPhone/iPad charger



SD-card

SPECIFICATIONS LABOMED MAGNA PREMIUM MICROSCOPE

GENERAL SPECIFICATIONS

Mounting system <i>Floor or ceiling mount</i>	✓
Objective <i>NuVar 10 or NuVar 20</i>	✓
Suspension arm <i>1100 mm</i>	✓
Viewing bodies <i>0-210° tilting head with Rotoplate, DBSi, Double Iris and DSLR Adapter, IPD range 50-75 mm</i>	✓
Magnichanger <i>Galilean Zoom 1:6, 8 step magnichanger, 0.4-2.5X</i>	✓
Eyepieces <i>WF 10X/18 mm lockable eyepieces, one with resolution markup to assist in diopter adjustment</i>	✓
Observation head <i>ABA system with ergo head</i>	✓
Microscope carriers <i>ABA with electromagnetic release for easy positioning</i>	✓
Illumination <i>Fiber optic illumination 50W LED, up to 60,000 hours of LED lamp lifetime, 105,000 Lux</i>	✓
Input <i>AC 115-240V, 50/60Hz</i>	✓
Filter <i>Yellow and green filter with a filter holder</i>	✓
Vertical movement of arm <i>± 250 mm, power saving feature with light cut-off in park position</i>	✓
Fuse <i>Quick-acting fuse 1.0 Amp</i>	✓
Standard accessories <i>Dust cover for microscope observation head and illumination box</i>	✓



SELECTION OF A LABOMED PREMIUM DENTAL MICROSCOPE

Step 1: Choose the mounting system (Prima DNT)

Floor mount



Ceiling mount



Wall mount



Step 1: Choose the mounting system (Magna)

Floor mount



Ceiling mount



Step 2: Choose the NuVar objective

NuVar 10



The NuVar objective enables dentists to select the ideal working distance based on procedure requirements.

NuVar 20



NuVar 10



NuVar 20



- WD: 220 mm to 320 mm
- Focal length: 300 mm to 400 mm
- Coating: MaxLite
- Only for Prima and Prima M μ

- WD: 200 mm to 400 mm
- Effective focal length: 290 to 485 mm
- Coating: MaxLite
- The standard for Prima and Prima M μ

- WD: 300 mm to 400 mm

- WD: 200 mm to 400 mm

PACKAGE CONTENTS:

- Dental Microscope
- Objective (NuVar 10 or NuVar 20)
- Tools for securing base and pillar
- Sterilizable knob covers
- Nylon dust cover



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