



Specifications

- » Either 45° inclined or 0-180° inclinable binocular head for Dental surgery or Straight binocular head for ENT surgery.
- » 12.5x/.7in (18mm) High Eye-point Wide-Field eyepieces
- » Range of Pupillary distance: 2-2.8in (50 to 70mm)
- » Range of the Diopter of Eyepiece: +/- 7D
- » 9.8in (250mm) APO-chromatic objective lens with fine focusing adjustment knob
- » Magnification: 6-step, Total magnification indicator 0.33=2.8x, 0.5=4.2x, 0.8=6.9x, 1.22=10.40x, 2=17X, 3=25.6x
- » Diameter of object field: .3-3in (8.7 to 78.3mm)
- » Arms: First big arm, 19.7in (500mm) length can be rotated 360°. Second small arm 23.6in (600mm) in length with movement +/-11.8in (300mm) can be rotated +/-150°. Third angled arm can be 3-D movement.
- » Height: 68.9in (1750mm)
- » Base size: 24in x 23.6in (610mm X 600mm)
- » One 20W LED Illuminator
- » Maximum Object Illumination: 50,000 Lux Min.
- » Built-in Orange filter and Green filter changed by a knob.
- » Power supply: 220V/50Hz or 110V/60Hz
- » Pupillary distance adjustable: 2 to 2.8in (50 to 70mm)

DRE Compass LED Features

Modular Design

The microscope's design not only allows you to interchange binoculars (straight, 45° fixed, 0-180° inclinable) easily, but also allows you to upgrade your microscope with the desired accessories at any time.

Wide-field Eyepiece

Height adjustable eyecup and diopter adjustable feature is inserted into eyepiece tube. Diopter Adjustable of Eyepiece: +/- 7D

Patented Rubber Rotatable Handle

Rotatable maneuvering handles with patented ergonomic rubber cover to prevent slipping.

Apochromatic Optics

The apochromatic optic effectively corrects the chromatic aberration of three types of colored light. It ensures the reduction and saturation of image color and improves the resolution, contrast and depth of image.

Counter-Balanced Pantographic Arms

The optical head can be easily maneuvered at any position and stopped where you wanted in its working range with tension control. All maneuvers can be done by one hand with little force.

Integrated Orange and Green Filter

The orange filter provides UV protection to prevent premature curing of composite, while the green filter provides a better recognition of blood vessels.

Improved 120° Connecting Arm

The improved connecting arm stops the microscope body at +/- 60° position even if the locking knob is fully loosened, eliminating danger to the patient.

DRE Compass LED Microscope



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MOUNTING OPTIONS
Ceiling, wall, fixed stand, table top clamp, and floor mount.



**0-180°
Inclinable
Binocular**

Wide-field Eyepiece:
Wide-field eyepiece combining integrated eye-point height adjustable eye-cup and Diopter adjustable feature is inserted into eyepiece tube. These eyepieces are suitable for people with or without glasses.

6-step Magnification Changer

Rotatable Maneuvering Handles:
Rotatable maneuvering handles with patented ergonomic rubber cover.

German Optics:
All lenses are made of German optical glass which offers superb optical performance.

Fine Focus Knobs:
Fine focus knob can be set front, right, or left. It offers 11 mm fine focus area without moving the microscope body.

The DRE Compass LED features a combination of Classic Aesthetics & Modern Technology.

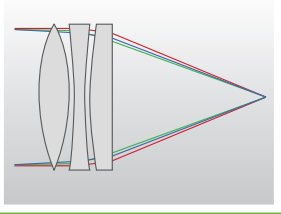
The Compass LED microscope integrates high performance features for sharply focused imaging and user-friendly functionality. The compass LED offers superb optical performance with 6-step magnification capabilities and apochromatic lens that improves the resolution, contrast and image depth. The LED light source provides long-lasting, pure white color light. The counter-balanced pantographic arm allows for easy maneuvering and exact positioning.

Feature Highlights



0-180° Inclinable Binocular
This ergonomic feature allows for comfortable and exact microscope positioning.

Fine Focus Knobs can be set on the front, right, or left side of the microscope and offer 11 mm focus area without moving the microscope body.



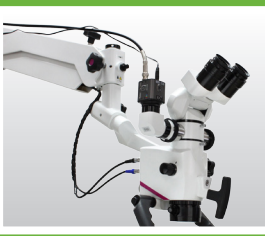
High Quality Lens
The German Optical Glass provides high resolution, real 3-dimensional precise image reproduction, large depth of field, wide field of view, and good contrast.

6-Step Magnification provides a larger magnifying range and more selection on magnification to meet the requirement of your practice.



20W LED Coaxial Illuminator provides pure white color light similar to the sun to show the real color. It not only eliminates the hassle of changing bulbs, but also saves on cost of spare bulbs and electric charge.

Video System
The images from the integrated video camera (1 CCD) can be input into a monitor or TV set directly, a computer by USB adaptor, or stored into a hard disk recorder.



Assistant Scope allows for hands-on training and real-time observation for the surgical trainee or assistant.

 Concept Design Award
 Gold Product Design Award



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