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HS ALLEGRA 500

Enjoy microsurgery

With its awarded design, HS ALLEGRA 500 is optimized for surgical procedures in day clinics, surgical centers, and hospitals.



HS ALLEGRA 500

High quality

The apochromatic optics provides a sharp and contrasty image for the surgeon at any zoom setting. Due to the large stereo base of 25 mm, a unique depth perception is achieved

PERMANENT BALANCE

Feather light movement

In most surgical ENT procedures active assistance is not possible, and hence no stereoscopic observer scope is needed. Therefore HS ALLEGRA 500 is designed to rotate cardanically around its center of gravity in all directions, requiring only minimal force. Two ergonomic hand grips with function buttons facilitate control of the microscope.



LIGHT MANAGEMENT

Intraoperative filter selection

The microscope contains a filter disk for daylight, softlight, UV protection (yellow filter), blue light (excitation of fluorescence), and green light (better recognition of blood vessels). In addition, two spot diaphragms are integrated against glare.

MULTIDISCIPLINARY USE

The all-round talent

In addition to ENT surgery, HS ALLEGRA 500 is also designed for use in other microsurgical fields. It contains a motorized focus, ranging from 200 mm to 450 mm, and a short inclinable 160° eyepiece head. This configuration makes it the ideal microscope also for dental applications, plastic & reconstructive operation, and spine surgery.



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High quality

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LASER ATTACHMENT

For improved treatment

Especially in ENT applications, CO2 lasers are used and added to the optical head. This often – but not in HS ALLEGRA 500 – negatively influences the movability and the balancing of the microscope. For mounting a laser adapter, the turning axis of the microscope is adjustable to retain the full balance.



C.MOR HD / HD³

Compact HD camera

C.MOR HD is a full HD color video camera designed for the HAAG-STREIT SURGICAL microscope. Its ultra-compact camera head houses a 1/3" CMOS sensor that meets very high standards. In its 1 and 3-chip version, images are crisp and sharp. Different user settings allow individual adjustments.

M.DIS AND C.MON HD

Display

Best control of the camera image and additional opportunities for observation are provided through monitors. Those may be mounted directly to the microscope head to serve the surgeon and the assistant (M.DIS) or on the floor stand for further staff (C.MON HD).



HS MIOS 5

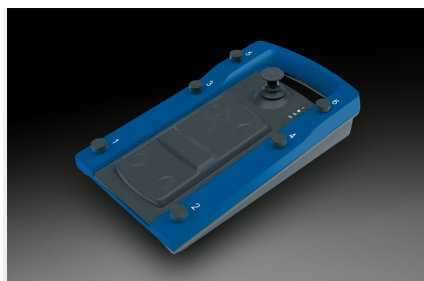
Comprehensive yet intuitive recording

The prime functions of HS MIOS 5 are the recording of operation scenes as well as the capturing and recording of snapshots, together with proper identification of patient and hospital data. Images and video streams can be stored on DVD-R/-RW, HDD, USB flash drive, and external USB hard disk drive or transmitted to the hospital PACS via DICOM.

EF 5000 AND EF 5001

Ergonomic control

For most ergonomic control of the microscope HAAG-STREIT SURGICAL recommends its corrosion-proof foot switches. While EF 5000 is connected to the floor stand via cable, EF 5001 controls 14 functions of the microscope wireless via Bluetooth.



FLOOR STANDS

More than just carrying systems

For the carrying system various options arise. These including the choice of illumination (halogen and LED), brakes (electromagnetic or manual) as well as size. Choose your floor stand analog to your comfort and space requirements.

FS 2-21/23/25

High-tech solutions

Electromagnetic brakes in the floor stands FS 2-21 (halogen), FS 2-23 (xenon) and FS 2-25 (LED) support the smooth movements of the microscope while their shape and internal reinforcements make the floor stands extremely stable against vibrations. A holder for a foot switch can be mounted directly to the column as can trays for camera control units, a high-resolution monitor, or other equipment.



FLOOR STAND CONTROL

At a glance

The floor stand is computer-controlled via a touch screen. Here illumination and balancing can be controlled. Additionally, the individual start settings of the microscope parameters can be programmed for each surgeon.

300 W XENON

Powerful light

For easy access, the 300 W xenon light source is located externally underneath the push bar. The upper housing contains a spare light module. The xenon light sources contain filters to protect the surgeon's eyes and the patient's tissue against ultraviolet and infrared radiation.



LED

The floor stand is equipped with a brilliant white and clear LED illumination. In its 3rd generation, the LED features a high CRI (Color Rendering Index) that shows colors most naturally. The homogenous light is free of hot spot and without IR and UV radiation extremely save. Its lifetime of 50,000 hours maintance is highly ecomomically.

FS 2-11/13/15

Mechanical Solutions

The floor stands FS 2-11 (halogen), FS 2-13 (xenon) and FS 2-15 (LED) are equipped with mechanical brakes that allow for free-floating movements as well as for stable working positions. The light source is mounted externally for easy access. A tray to carry a camera control unit may be attached to the column. All cables are hidden inside a cable duct.



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