

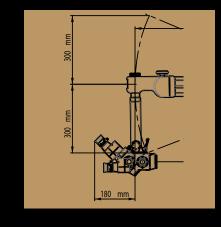
Introducing the V-Series ENT Microscopes

Made in Germany

Superior Engineering
Smooth & Sturdy Controls
First Quality Optics



The Kaps Optik Company has been manufacturing these exquisite microscopes for over 75 years in Asslar, Germany.



Decades of precision craftsmanship have been devoted to the creation and design of our microscopes.



All of the controls and articulation joints incorporate the most sophisticated level of mechanical expertise.



The same first quality optics used in other German microscopes are integrated into the V Series.

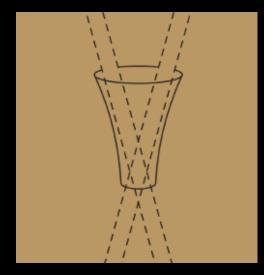


The V-Series is the only microscope designed standard with two coaxial beams of light

Super Bright LED Light Two Coaxial Prisms Reduced Shadows Increased Clarity and Contrast



A beam of bright LED light from above and below the operator's line of sight provides even illumination.



Twin beams enhance depth of field, reduce shadows, add clarity and increase contrast.



The brightness of the noise-free LED illuminator is unrivaled. Together with a high-resolution fiber optic cable, more light than is needed is transferred seamlessly to the field. The LED is rated at over 95,000 lux and exceeds 50,000 hours of operation.



V-SERIES.....

unsurpassed optical engineering and craftsmanship

V-Series Microscope designs suit any exam room

Mobile Floorstand with Easy Glide Lockable Casters Wall Mount with Universal Mounting Board Ceiling Mount with Precision Leveling Plate

Choose from three different stereo view bases



6:1 Zoom Magnification with continuous factors of 0.4 through 3.2



Five Stage Magnification with factors of 0.4, 0.63, 1.0, 1.6, 2.5



Three Stage Magnification with factors of 0.63, 1.0, 1.6

Highlights of the V-Series Microscopes

- Top quality precision German lenses
- V-Series system for unparalleled contrast, clarity, and shadow reduction
- Customized LED high output fiber optic light source
- High resolution reinforced fiber optic cable
- Choice of 6:1 zoom, five or three stage magnification changer stereo base
- Straight binocular F-125mm with precision pupillary distance fine adjustment
- High eyepoint eyepieces 10.0X with diopter adjustments and locks
- Fine focusing objective lens F=250mm (others available)
- Pistol style articulation handle for easy movement (others available)
- Adjustable spring assisted suspension arm with lock
- 2 year limited warranty

Options and Accessories for V-Series Microscopes



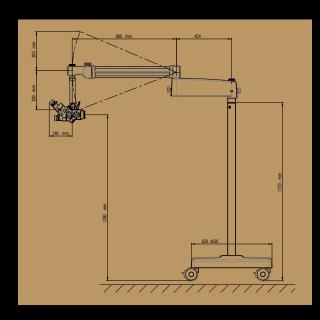
- HD Video Cameras
- Beam Splitters
- Monocular Observation
- Sterilizable Control Covers

- Digital Cameras
- Photo Tubes
- Binocular Observation
- Sterile Drape Adapter



Shown with optional inclinable binocular

Technical Specifications



24Vdc @ 900mA

Solid-state high-intensity LED (light-emitting diode)

24W, 95,000 lux, 6000°K, CRI~70, 50,000 hrs +

Floorstand - 200lbs (90kg)

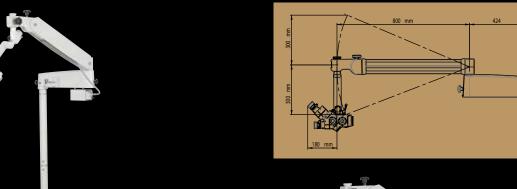
Console

Type -

Illuminator -

Power Input -

LED Spec -





Magnification Ranges with F=250mm Objective lens and 125mm Binocular

<u>Eyepieces</u>	<u>Three Stage</u>	<u>Five Stage</u>	<u>6:1 Zoom</u>
6.3X	2X, 3.5X, 5X	1.3X, 2X, 3.5X, 5X, 8X	1.3X continuous to 10X
10X	3.2X, 5X, 8X	2X, 3.2X, 5X, 8X, 13X	2.0X continuous to 16X
12.5X	4X, 6.5X, 10X	2.5X, 4X, 6.5X, 10X, 16X	2.5X continuous to 20X

LED1 Illumination

Power Supply

Input - 100-240Vac, 47-63Hz, 330mA-170mA

Output - 24Vdc @ 900mA

Class - Class 2 (2 prong, double-insulated)

pprovals - IEC/EN60601-1, UL recognized, cUL, (medical grade)

eight

Wall - 50lbs (23kg)

Ceiling - 65lbs (30kg)



Two Beams of Light - Unparalleled Contrast, Clarity, & Shadow Reduction



Highlights & Features

- Top quality German optics
- V-Series prism which floods the field from above and below the sight path
- High output LED fiberoptic light source
- Manual 6:1 zoom magnification changer
- Adjustable spring assisted pivot and tilt counter balance
- Inclinable binocular 0-210° with precision pupillary distance fine adjustment
- High eyepoint eyepieces 12.5X with diopter adjustments and locks
- Objective lens quick changer for easy and safe selection of required lens
- Two objective lenses 250mm & 400mm with surgical drape adapters (other objectives available)
- Micro fine focus adjustment rack
- Dual articulating manipulation handle for easy movement (other handles available)
- Adjustable spring assisted suspension arm with lock
- Complete set of sterilizable control covers
- Automated on/off when microscope is raised and lowered

Objective Lens 250mm 400mm

Range of Magnification
3.5X continuous through 29X
2X continuous through 18X

VIDEO BEAMSPLITTER OPTION

The addition of this unique beamsplitter will allow an existing endoscopy tower camera to interface the surgical microscope





The ALL-CAM2 utilizes a continuous 1080P 60FPS HD video sensor. The real-time image output and all capturing is full 16:9 high definition. All controls are conveniently located and executed at the touch of a button. Still images and video recordings are captured directly to a USB disk. All files are Hi-Def digital and can be easily transferred via USB disk as jpeg and MP4.

ALL-CAM2 HD Video Camera

Connections for HDMI, USB, and power are easily accessed on the back of the device. An added benefit is the single side port beamsplitter which could be used for attaching an observer tube.





Simple Functions

- Plug the provided USB disk into any USB port on the back of the camera
- Switch the main power on
- Press "PHOTO" to capture high definition digital images to the USB disk
- Press "REC" to capture high definition movies to the USB disk
- Press "FREEZE" to freeze an image on the monitor screen for consultation
- Unplug the USB disk from the camera and plug into any existing computer
- Open file folders and transfer still images and videos as desired
- Still images are stored as jpeg and videos are stored as MP4 files
- Files can be deleted from the USB disk when transfer is complete
- Plug USB disk back into camera to continue capturing for future patients

