

Light source module



MIK3



MIK5

Specifications

Dimensions (L×W×H) 300 mm×336 mm×109 mm	Dimensions (L×W×H) 338 mm×345 mm×130 mm
Weight About 5.54 kg	Weight About 5.54 kg
Photo/recording storage AC 220V, 50Hz	Operating environment Operating temperature 5 ℃ -40 ℃ Operating humidity ≤80% (non-condensing)

Performance

- High color rendering index
- Low consumption LED light source
- Service life of 30,000h
- Provides stable light source continuously
- Supports touch screen operation and CCU linkage

Accessories



Hangzhou Hikimaging Technology Co., Ltd
E-mail: international_sales@hikimaging.com TEL: +86 571 86610385

This material (April 2024 promotional version) is for product information and professional communication only.
This material is regularly updated, and if specifications, performance and design are changed, please refer to the latest product.
Effect pictures and images are only schematic, please refer to the actual.
The above embodied data are from the Hikimaging lab, please refer to the actual.



Hikimaging Official Website

HIKIMAGING

4K Camera System Solutions

- 4K full chain imaging system, over 1800 TV-lines, with Auto-Focus function.
- Recording functions support both external USB and internal SSD recording.
- Excellent image processing functions for various operation applications.



MIK5 High-End 4K Solution

4K VF/AF Camera MIK5-C522 Series

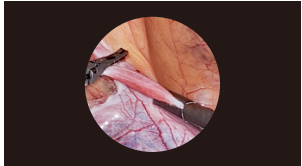


- Backside illuminated cmos sensor, 30% SNR boost over last generation.
- 4K resolution of 3840 x 2160 pixels.
- IPX8 protection, supports long-time immersion.
- Support sterilization by ethylene oxide (EO), glutaraldehyde or alcohol.
- 4 customizable buttons for rapid function switch.
- Low temperature rise design, <37°C for long time holds.
- Optional autofocus camera, snap focus within 0.5 second.

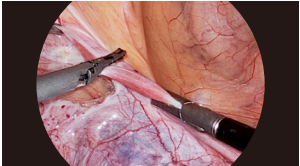
Variable Auto Focus



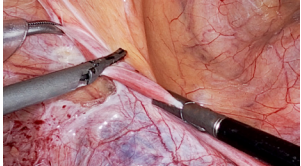
VAF



F14 ENT.Gynecology

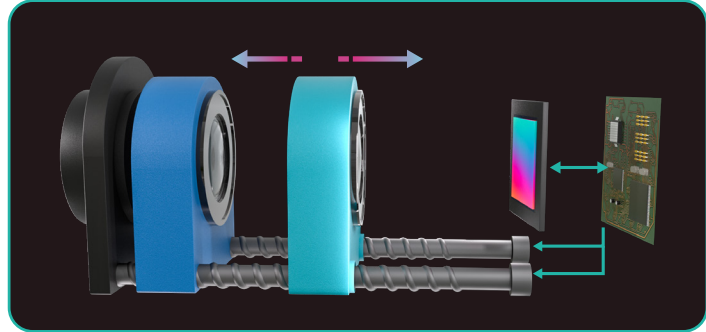


F22 Urology

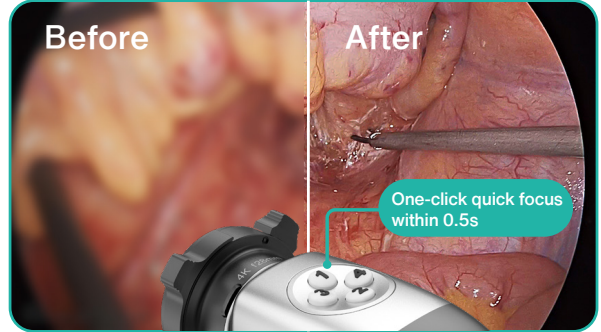


F32 General Surgery
Thoracic Surgery

Variable Focal Length



Auto-Focus



Performance Technical Data				
C522VF		C522AF		SNR
Lens Function	Variable Auto Focus	Auto Focus		50dB Gain: OFF, Gamma: Standard, DNR: High
Lens Focal Length (Optional)	14-32mm	22 mm	28mm	Weight 260g (without cable, AF) 190g (without cable, C-mount)
Sensor Resolution	3840x2160, 50/60p	3840x2160, 50/60p		Camera Cable 2.9m
Image Sensor	1/2.8" CMOS	1/2.8" CMOS		Dimensions 123 x 50 x 45 mm(AF) 78 x 41 x 51 mm(C-mount)
Aspect Ratio	16:9			Operating Temperature 5°C to 40°C
Scanning mode	Progressive	Progressive		Operating Humidity < 90%
TV resolution	> 1800 lines	> 1800 lines	> 1600 lines	Degree of protection IPX8

MIK5 High-End 4K Solution

4K Camera Control Unit MIK5-P52X



- Color management for precise color reproduction on various monitors.
- Adaptive auto-exposure keeps image bright and stable.
- Communication protocol with light source, insufflator, etc.
- ISP5.0 advanced image function for various operation application.

Functions

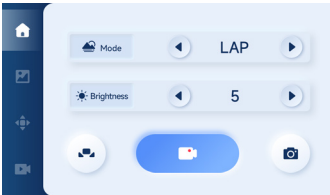
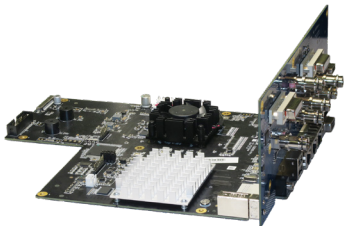
ISP 5.0 : Advanced Image Processing

- De-moiré
 - De-Highlight
- Detail Filter
 - De-Dark
- Defog

Performance Technical Data			
Video Output	4K : HDMI2.0, DP, 12G-SDI or 4x3G-SDI HD : 3G-SDI, DVI	Operating Temperature	5°C to 40°C
		Operating Humidity	< 90%
Video Input	HD : 3G-SDI, DVI	Supply voltage	100-240 V ~ 50/60Hz
		Power Consumption	80W or less
Other Interface	Remote IN : Foot Switch, RS-232 Remote OUT: CAN Interface : 3xUSB	Degree of protection	CCU: IP21
		Control Panel	On-off, menu white balance photo video
Work condition	Temperature: 5°C-40°C Humidity: ≤80%(Non-condensation) Air pressure: 760 hPa~1060 hPa	Scene File	10 user-configurable scene files
		Recording	Image format : JPG/BMP 3840x2160 Video format : 3840x2160, 30fps, or 1920x1080, 60Hz Mpeg-4(H.264 Codec) Interface: USB (Type-A)
Storage & transportation condition	Temperature: -20°C-55°C Humidity: 20% - 80% (non-condensation) Air pressure: 700 hPa~1060 hPa	Image Functions White Balance, Gain, Brightness, Hue, Chroma, Contrast, etc.	

Customization

- Customizable Industrial Design
- Brand Logo and Boot Logo
- Your own UI on 5" or 8" touch screen
- Component sets Shipping available



MIK3 Economic 4K Solution

MIK3 4K Camera Head Component



AF Camera head
One click- auto-focus/
photo/recording/freeze...



Standard Camera head
One click -
photo/recording/freeze...

- Ultra high definition pixel
3840x2160 pixel
- IPX8 waterproof level
Can be immersed directly
- 4 buttons
Supports 18/19 functional configurations

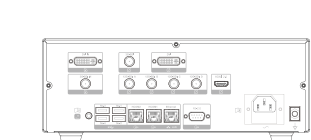
MIK3 4K Camera Control Unit



Touch panel type
Panel button operation (8 buttons)
Quick response, obvious prompt



Touch screen type
Touch screen operation
5-inch touch screen, support for real-time preview
Quick response, obvious prompt



Fully customizable

Product functions

- Hue**
Multiple hue mode for choice.
Adapts to a variety of medical display
- De-Dark**
OFF, low, high
- De-Highlight**
OFF, low, medium, high
- De-moiré**
Multiple mode
Used with rigid/flexible fiber endoscope

- User interaction**
Supports button or touch-screen operation
Supports pedal linkage

- Dual endoscope display**
Supports 3G-SDI/DVI-D in

- System language**
Chinese, English

Interface type

- Video output**
12G-SDI, HDMI 2.0, 3G-SDI, DVI
- Video input**
3G-SDI, DVI
- Signal output frame rate**
60Hz, 50Hz, 30Hz, 25Hz
- Dimensions (L × W × H)**
324mm × 300mm × 114.7mm
* Supports appearance customization services

Storage functions

- Photo/recording storage**
Supports U disk, mobile hard disk storage

- Recording storage**
The video quality can be customized, supports best / high / medium / low mode
Video output resolution supports 3840×2160 (best mode), 1920×1080

- Photo storage**
The image quality can be customized, supports best / high / medium / low mode
Image output resolution supports 3840×2160 (best mode), 1920×1080

