

Light source module

- 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

Specifications



Dimensions (L×W×H)
300 mm×336 mm×109 mm

Weight
About 5.54 kg



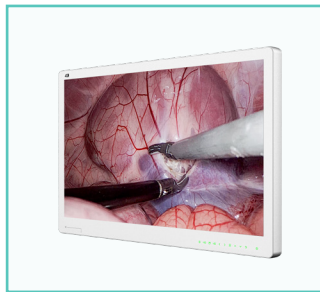
Dimensions (L×W×H)
338 mm×345 mm×130 mm

Weight
About 5.54 kg

Photo/recording storage
AC 220V, 50Hz

Operating environment
Operating temperature 5 °C -40 °C
Operating humidity ≤80% (non-condensing)

Accessories



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This material (January 2023 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 Auto-Focus
Camera System

- 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.



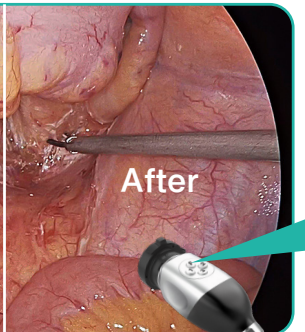
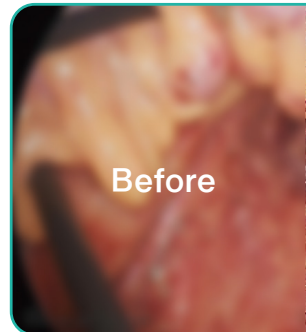
MIK5 High-End 4K Solution

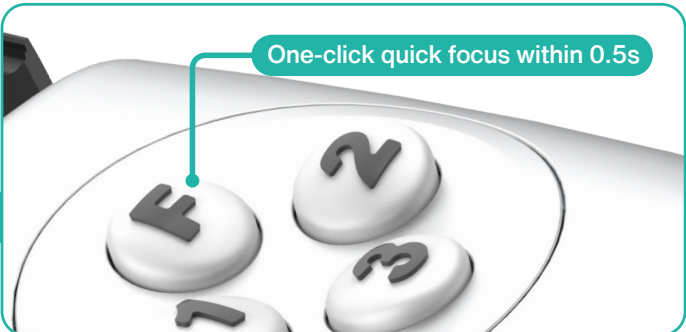
4K AF Camera MIK5-C522



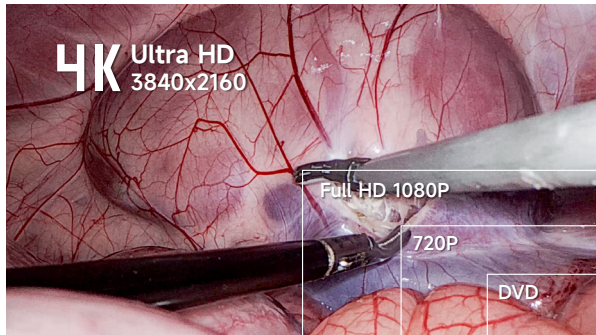
- Backside illuminated cmos sensor, 30% SNR boost over last generation.
- 4K resolution of 3840 x 2160 pixels.
- IPX8 protection, supports long-time immersion.
- Support sterilization by ethylene oxide (EO), glutaraldehyde or alcohol.
- 4 customizable buttons for rapid function switch.
- Low temperature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

Auto-Focus






4K



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

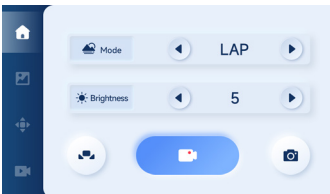
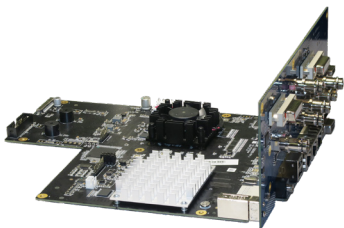
ISP 5.0 : Advanced Image Processing

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

Performance Technical Data			
Video Output	4K : HDMI2.0, DP, 12G-SDI or 4x3G-SDI x4 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

Ultra high definition pixel
3840x2160 pixel

IPX8 waterproof level
Can be immersed directly

4 buttons
Supports 18/19 functional configurations



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



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

MIK3 4K Camera Control Unit

Dimensions (L × W × H)
324mm × 300mm × 114.7mm

* Supports appearance customization services



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



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

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

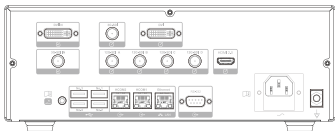
System language
Chinese, English

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



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

