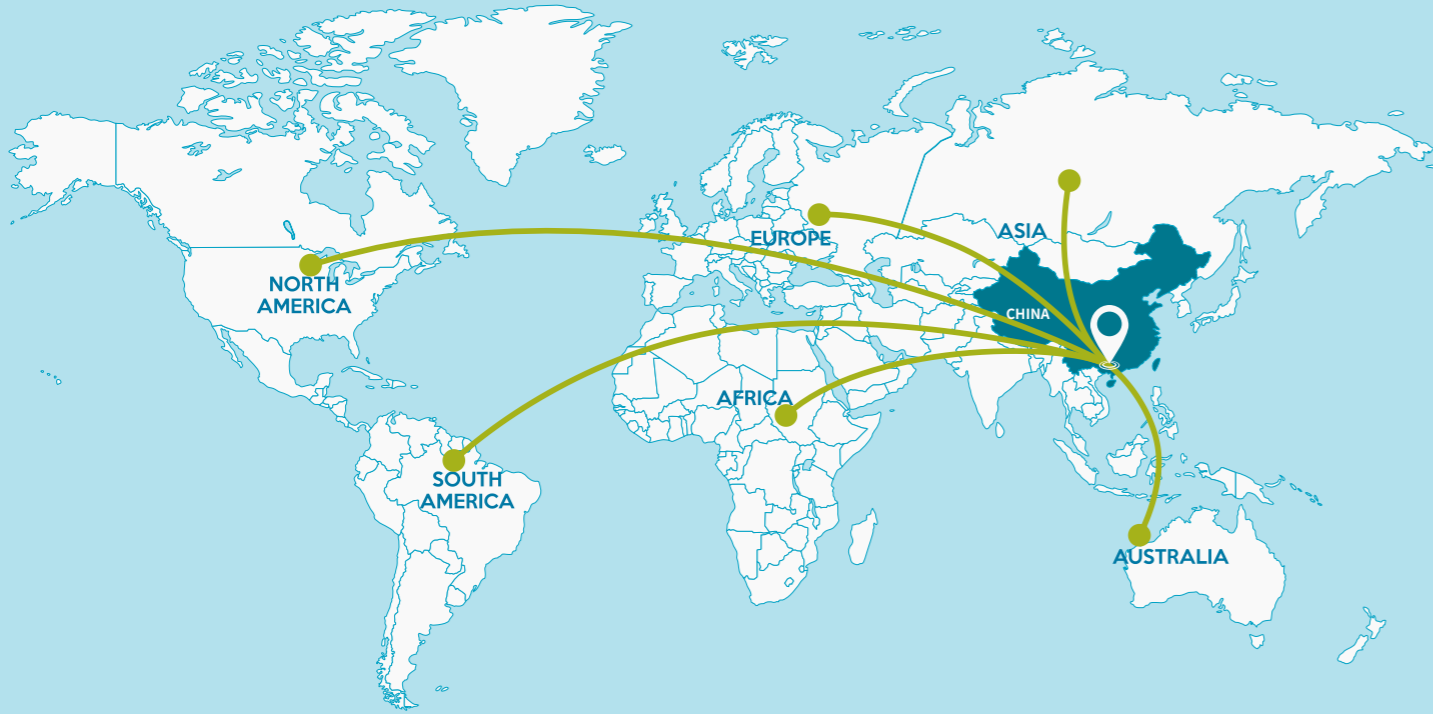


Focusing on medical lighting and imaging,  
Specializing in researching top quality.

**EASYVISTAR**



Our products are distributed in over 180 countries around the world.

# Catalogue of Medical Products

Shantou Easywell Electronic Technologies Co.,Ltd

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Easywell Web



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# Company Introduction

Shantou Easywell Electronic Technologies Co., Ltd. is a leading enterprise specializing in innovative medical solutions, dedicated to providing high-quality operating room solutions for healthcare institutions globally. With years of technical reserves and profound understanding of the medical industry, we continuously drive innovation in medical equipment to enhance surgical safety, precision, and efficiency, delivering better patient outcomes.

## Core Products and Services

**Surgical Lighting and Imaging Equipment:** Our surgical lighting and imaging equipment utilize advanced optical technology and high-resolution imaging systems to offer surgeons a clear, bright, and shadow-free surgical field, ensuring visibility in complex surgeries. The design is ergonomic, easy to operate, and adaptable to various surgical scenarios.

**Endoscope Lighting and Imaging Systems:** Developed specifically for endoscopic surgery requirements, our endoscope lighting and imaging systems combine high-brightness, uniform lighting with high-definition imaging technology. They provide real-time, accurate intraoperative images during minimally invasive surgeries, aiding precise operations and reducing patient trauma and recovery time.

**Neonatal Jaundice Treatment Devices:** Our neonatal jaundice treatment devices employ safe and effective phototherapy technology, designed specifically for newborn jaundice treatment. They feature precise light intensity control and uniform light distribution, ensuring treatment efficacy while minimizing discomfort and potential risks to infants. The design prioritizes infant comfort and safety, meeting relevant medical standards and regulations.

## Technical Strength and Innovation

Our R&D team consists of senior engineers, medical experts, and researchers, continuously investing substantial resources in new technology and product development. We collaborate closely with renowned healthcare institutions and universities to explore cutting-edge technologies and clinical applications. Through relentless innovation, we have obtained numerous patents and industry certifications, with products reaching internationally advanced levels in performance and quality.

## Service Philosophy

We provide comprehensive support beyond quality medical devices. Our professional teams are dedicated to delivering timely and efficient services at every stage, from pre-sale consultations and customized solutions to installation, training, and after-sales maintenance. We strive to build long-term partnerships with clients, advancing the medical field together.

## Development History

Since our inception, we have consistently focused on the medical device sector, gaining a market foothold through superior product quality and services. From our initial core product launch to today's diverse product range, we have expanded our business and enhanced our brand influence. Each step reflects our dedication and perseverance. Looking ahead, we will uphold our spirit of innovation, professionalism, and responsibility, contributing more to the medical cause.

In the future, we will continue focusing on medical technology innovation, optimizing our products and services, and advancing the medical field alongside global healthcare professionals for the benefit of humanity's health.



# LED Surgical Light & Camera System

## New cold light source extends service life

Adopting a new type of LED cold light source, it is energy-saving, environmentally friendly, and has a long service life of up to More than 60000 hours. The doctor's head temperature is less than  $<1^{\circ}\text{C}$ . The color rendering performance is good, Excellent color temperature consistency.

## Excellent shadowless effect

The lamp head adopts the most scientific curvature and multi-point light source design to enhance the illumination of the light spot More uniform, it can also achieve the same effect when the surgical light is partially obstructed Perfect shadowless effect, with a turning radius of  $\geq 182\text{cm}$  for the lamp panel, The lamp head can be pulled down close to the vertical ground, making it convenient for lighting at various angles.

## Excellent deep lighting

Multiple LED light beams focus and illuminate, producing a depth illumination of over 1200 millimeters of light beams, And provide adjustable color temperature of 4000K-5000K close to natural sunlight, Realistic reflection of human tissue color, fully meeting various surgical lighting needs.

## LED Operation Lamp(Ultra Thin Series)

Registration Number: Yue Jian Zhu Zhun 20222012064

## Advanced control system

It can be adjusted for illumination, color temperature, and finger display to meet high illumination requirements, Adjust the lighting parameters according to the needs of different surgeons, so that surgeons have a better understanding of the light Perceived softly without dazzling; The optical circuit is controlled by MCU, and the brightness of the light area is controlled by MCU Uniform increase or decrease in color temperature adjustment, with brightness memory function; Electronic dimming spot; Mutual control and synchronous control (optional).

# LED Operation Lamp (Ultra Thin Series)

Configure SONY camera system and 4K medical display

KS-7070C+M(UT)



Configurable 10 inch wired/wireless wall control system

5 inch wireless handheld control system



Integrated Camera (Interchangeable Control Handle)

Aluminum Alloy Housing (Detachable for Sterilization)

Control Handle (Replaceable integrated camera)

Control Handle Brightness/Light Spot /Color Temperature



External camera

Internal camera

32 inch 4K

Medical Monitor

SDI-DVR

External Monitor

Color temperature Adjustment

Intensive Adjustment

LOGO

Lighting Mode

Camera Mode

Backend Setting

On/Off

Mode User

Mode Preset

Endo Mode

The Controlled

Synchronization Control

Remote Control

Self-Control

Electric Light Spot Adjustment



5 inch control system

Model	KS-700 (Ultra Thin Series)	KS-500 (Ultra Thin Series)
Lamp head diameter	700mm	500mm
Central illumination	160,000Lux	150,000Lux
LED Qty	82 pieces	50 pieces
Spot diameter D10	300mm±35mm	280mm±35mm
Color temperature K	3500-5500K	3500-5500K
Color rendering index Ra	≥95	≥95
Input power supply	AC100-240V	AC100-240V
Input power	90VA	80VA
Optional selection (Control system)	5-inch touch screen 5 inch wireless touch control screen 10 inch wall-mounted wired/wireless touch control screen	5-inch touch screen 5 inch wireless touch control screen 10 inch wall-mounted wired/wireless touch control screen
Optional selection (AC/DC)	Emergency power supply	Emergency power supply
Optional selection (Camera system)	1/2.8'Exmor CMOS SONY	1/2.8'Exmor CMOS SONY
Optional selection (Medical monitor)	32' 4K monitor	32' 4K monitor

# LED Operation Lamp (Ultra Thin Series) with 5 inch control system

Model:KS-7070(UT)



Model:KS-7050(UT)

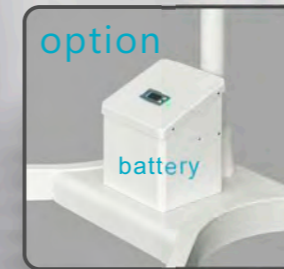
Model:KS-5050(UT)



Model:KS-700(UT) ceiling



Model:KS-700(UT) AC/DC  
option



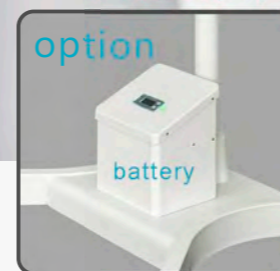
Model:KS-700(UT) mobile

Model:KS-500(UT) ceiling



Model:KS-500(UT) wall

Model:KS-500(UT) AC/DC  
option



Model:KS-500(UT) mobile



## KS-7050(Basic version) Operation Lamp

Configure SONY camera system and 4K medical display

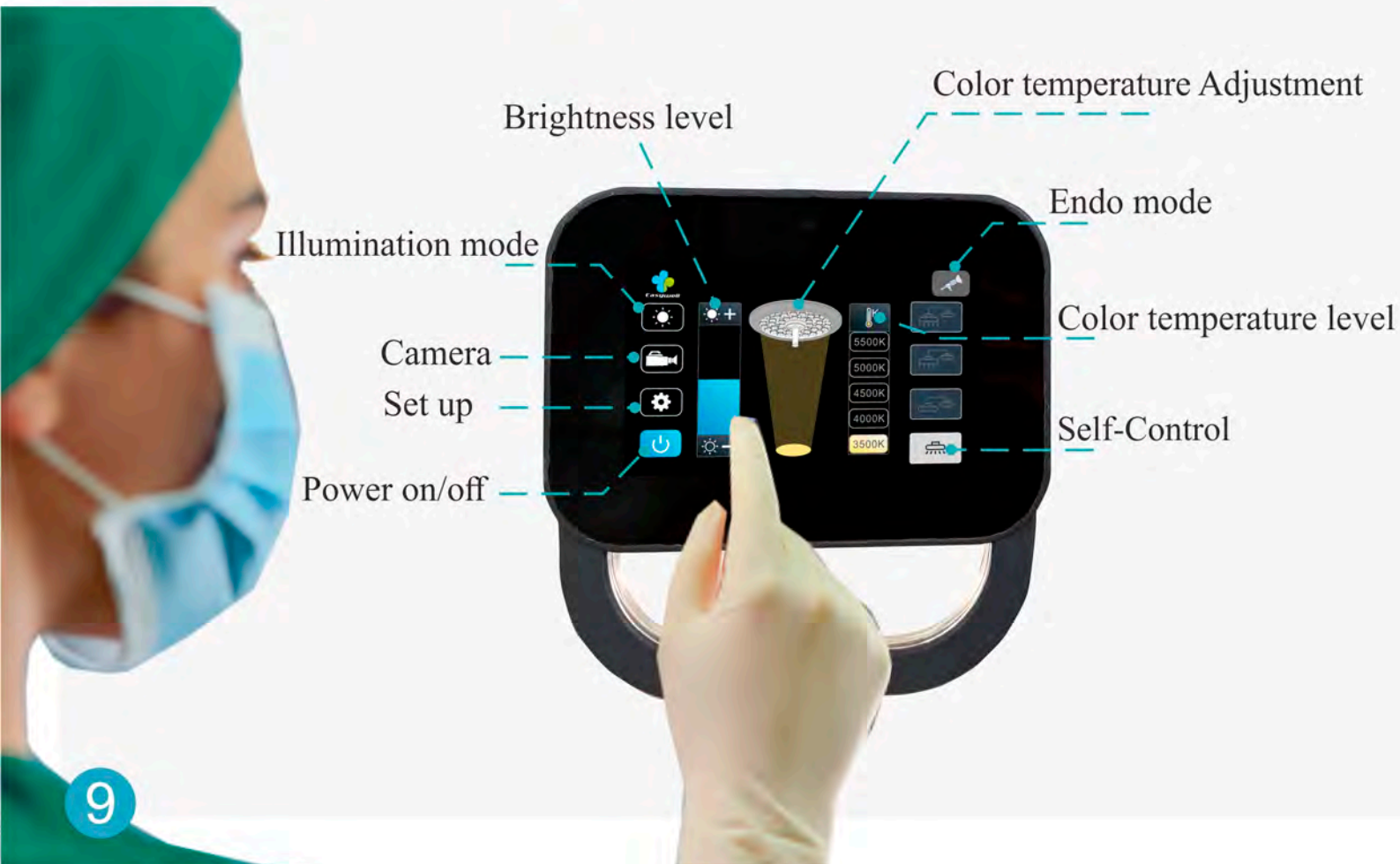


KS-7050+C+M

5 inch control system



External camera   Internal camera   Medical Monitor   SDI-DVR   External Monitor



Brightness level  
 Color temperature Adjustment  
 Endo mode  
 Color temperature level  
 Self-Control  
 Illumination mode  
 Camera Set up  
 Power on/off

Model	KS-700 (Basic version)	KS-500 (Basic version)
Lamp head diameter	700mm	500mm
Central illumination	160,000Lux	150,000Lux
LED Qty	80 pieces	48 pieces
Spot diameter D10	190mm±35mm	185mm±35mm
Color temperature K	3500-5500K	3500-5500K
Color rendering index Ra	≥90	≥90
Input power supply	AC100-240V	AC100-240V
Input power	75VA	65VA
Optional selection (Control system)	5-inch touch screen 5 inch wireless touch control screen 10 inch wall-mounted wired/wireless touch control screen	5-inch touch screen 5 inch wireless touch control screen 10 inch wall-mounted wired/wireless touch control screen
Optional selection (AC/DC)	Emergency power supply	Emergency power supply
Optional selection (Camera system)	1/2.8'Exmor CMOS SONY	1/2.8'Exmor CMOS SONY
Optional selection (Medical monitor)	32' 4K monitor	32' 4K monitor

# LED Operation Lamp (Basic version) with 5 inch control system

Model:KS-7070



Model:KS-700 AC/DC



Model:KS-700 mobile



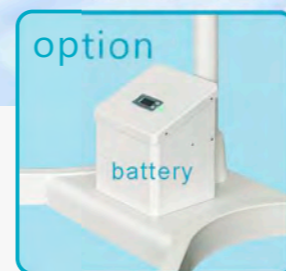
Model:KS-700 ceiling



Model:KS-7050



Model:KS-500 AC/DC



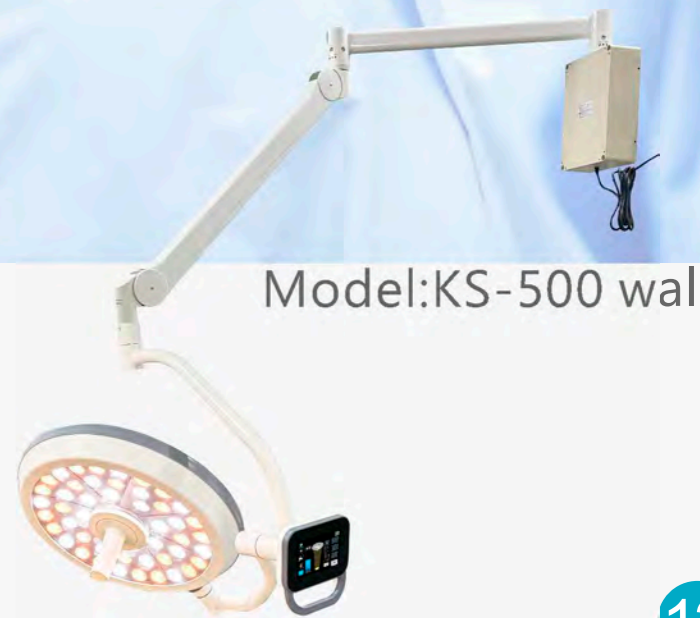
Model:KS-500 mobile



Model:KS-500 ceiling



Model:KS-500 wall



Model:KS-5050





# LED Minor Surgical Light

## Advantages of LED Technology

LED technology is a technology of the future, environmental friendly. Easywell operating lamps have been manufactured with the highest concern for the natural environment. The high efficiency of these light sources results in low energy consumption. Indirectly it affects the reduction of carbon emission and contribute to stop global warming. Low energy consumption is also a measurable economic benefit.

## LED light can protect our health

LED technology also helps to protect our health. Light Source in LED technology produces no harmful UV rays.

## Having a high-precision lighting adjustment system

Light intensity adjustment system provides constant light field distribution in the whole range of intensity control.

Light field diameter adjustment system maintaining a constant level of light intensity over the entire range of adjustment.

# KS-3030 Ceiling type-Double arm



### Double yoke

Lamp heads are equipped with double yoke, which enables more freedom of movement for the lampheads.



Color temperature adjustment

"Ultra-high color rendering LEDs" achieve reliable visibility and distinguishability

Light which brings out an object's true color and quality

Better light in endoscopic surgeries



Sterile control handle enables precise positioning of the lamp and can be sterilized in an autoclave.



Monitors - sets of the operating lamps can be optionally equipped with monitors displaying an image.

### Optional HD Camera

Operating lamps can be optionally equipped with a camera, designed to monitor and record the course of operations and wireless remote control.

Upgrading to a high quality HD camera is possible at any time. The sterile handle no longer has to be replaced, because the camera is located directly in the light head and is protected by a transparent cover.



## option



Configurable 10 inch wired/ wireless wall control system



5 inch wireless handheld control system



Model	KS-300 Series
External Lamphead Diameter	376mm
Input Voltage	100-240V
Illumination intensity Ec @100cm distance	120,000Lux± 20%
Adjustable Light field size @100cm distance	150-250mm ( 3 levels adjustable )
Illumination light field diameter D10	215mm
Illumination light field diameter D50	120mm
Adjustable Color temperature	3500-5500K (5 Levels)
Color rendering index Ra	96
Red color rendering index R9	96
Depth of illumination L1+L2 (20%)	2550mm
Depth of illumination L1+L2 (60%)	660mm
The total radiation intensity Ee	349 W/m2
The ratio of irradiance Ee to Ec	3.8 mW/(m2·lx)
Number of LED modules	30 pcs
Average life time of LED	≥ 50000h
Power consumption(VA)	50 (Single), 100 (Dual)
Removed and Sterilized Handle	Included 2 pcs
Standard function	Intensity /Color temperature/light spot adjustable, Endo mode, Synchronic /mutual control(dual head), Camera parameter adjustable (camera)
Mounted Type	Ceiling: Double/Single arm ,Mobile , Wall mounted, Battery Back-up
Option	Integrated Panasonic HD camera, 32 inch medical 4K monitor, wall mounted control, remote control

# LED Minor Surgical Light



## Mobile stand type

This is a mobile type that allows for flexible use when necessary, such as an auxiliary light during operation or for emergency treatment. The anti-static castors are equipped with brakes to ensure maximum stability.

## KS-300 Mobile type



## KS-300 Mobile type with emergency supply



(option) equipped with a batteries enables the use of light in any environment.

## Battery



Using time of battery: 2.5 hours  
Battery charging time: 6 hours

# LED Minor Surgical Light

## KS-300 Ceiling type-Single arm

Ceiling mounted and wall mounted is recommended for operating therapies and surgeries of reduced dimensions where space saving is required.

The wall mounted lamp can be folded back against the wall when not in use.



## KS-300 wall mounted



Patient rooms



Intensive care units



Veterinary



# LED Minor Surgical Light

## KS-Q10 Series

### Ergonomic Regulating Systems

The light intensity can be altered through 4 easily selectable settings providing a suitable level of intensity for all procedures. Allowing to adjust the color temperature enhances the ability of recognise and distinguish the tissue conditions.

### Excellent Color Rendering Index

The signifies for the physician an improved recognition of details of the most subtletones in tissues. The illuminated region appears natural and contrasted. The light is significantly more agreeable to the eye and the colors are rendered accurately.

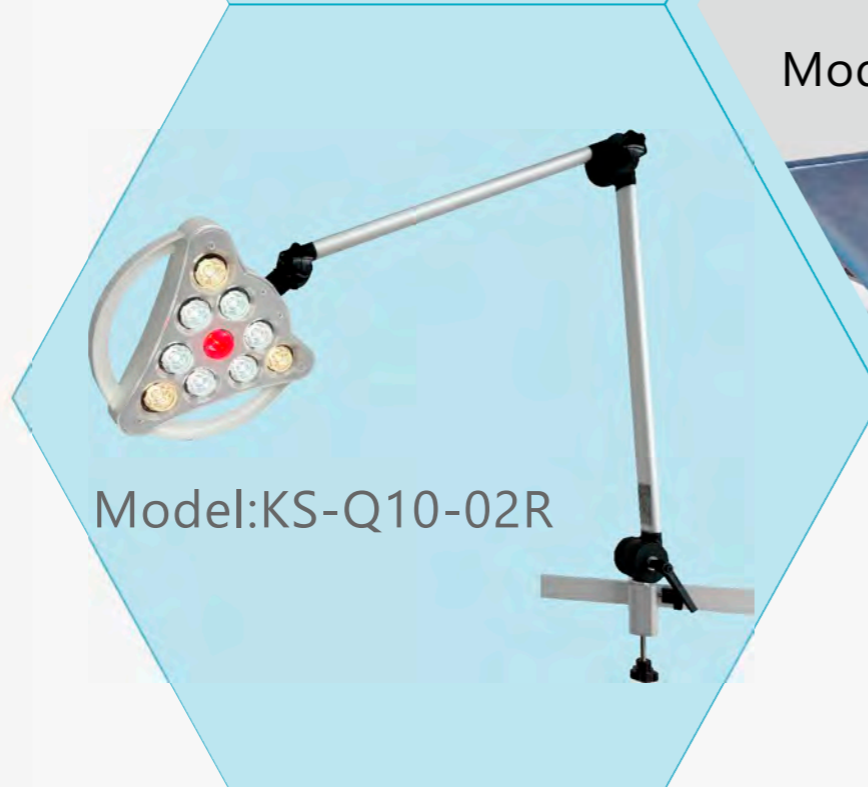
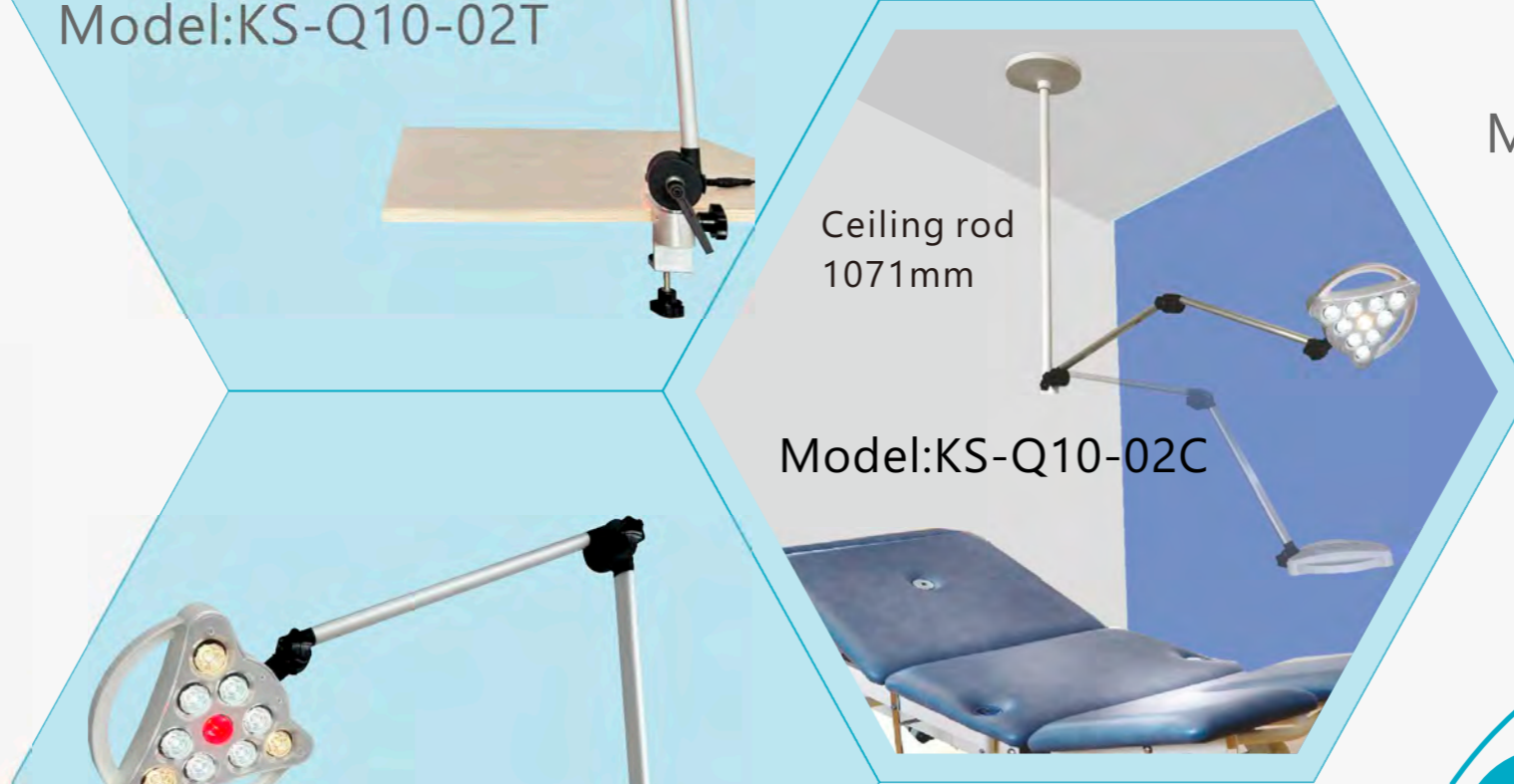
### Selectable Lighting Systems

With the highest R9 red color rendition, Q10 provides optimum visualisation of red tissues. Red balance enhancement compensates for our natural weakness in distinguishing shades of red and is user adjustable to fine-tune the light to match our own red vision and the surgical conditions.

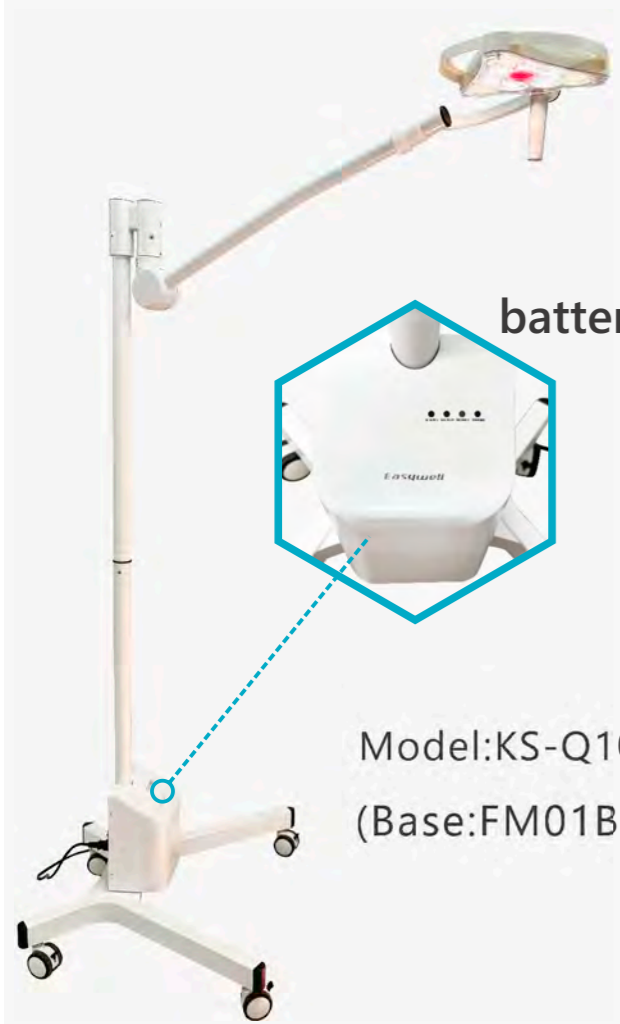
Registration Number: Yue Shan Xie Bei 20190010  
 Patent Number: ZL 2023 3 0850767.3

Models	KS-Q10 Series
External Lamphead Diameter	277mm
Input Voltage	AC100-240V
Illumination intensity Ec @50cm distance	120,000Lux± 20%
Number of LED modules	10
Light field diameter	140-200mm
Adjustable Color temperature	3500-5000K
Color rendering index Ra	98
Red color rendering index R9	97
Average life time of LED	≥ 50000h
Power consumption(VA)	30 (Single), 60 (Dual)

# LED Minor Surgical Light



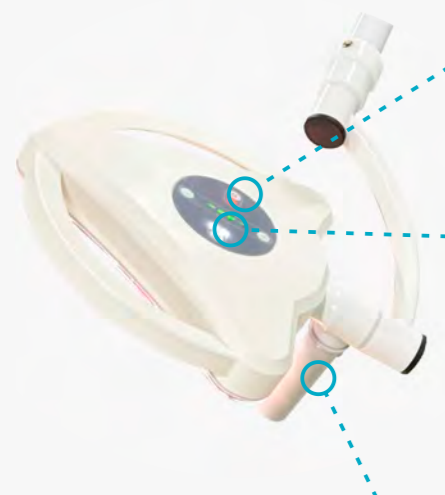
# LED Minor Surgical Light



battery

Model:KS-Q10-03LB  
(Base:FM01B)

- + lamp arm with a high quality powder coating and a superior stability
- + spring-balanced arm for user-friendly positioning



- + adjust the color by red balance control
- + the adjustable 4-Step-Dimmer guarantees an excellent visibility

+ Removable control handle enables precise positioning of the lamp and have one more as spare part



Model:KS-Q10-03A



Base:FM01



# LED Minor Surgical Light

Model: KS-Q10 (03W )

Wall mounted is recommended for operating therapies and surgeries of reduced dimensions where space saving is required.

The lamp can be folded back against the wall when not in use.

The wall-mounted is also recommended when one lamp needs to be shared between two beds (for example, in emergency rooms, recovery rooms, re-animation etc.)

# LED Minor Surgical Light

Model: KS-Q10 (03W +battery)

Built in lithium battery, continuously powered for more than 8 hours



## LED Minor Surgical Light

Model: KS-Q10 (03C CM04)



Ceiling mounted is recommended for operating theatres and surgeries of reduced dimensions where space saving is required.

## LED Minor Surgical Light

Model: KS-Q10 (03C CM03)



6-rotations allow easy positioning of the lamp beam from any angle

According to customer needs, vertical, with emergency power supply, wall mounted and other installation methods can be selected.

## LED Minor Surgical Light

Model: KS-Q10 (03C CM02)



Large Movement Range

Astralite Q10 is designed so that the lamp head can be positioned all the way around the couch to examine all parts of the patient.

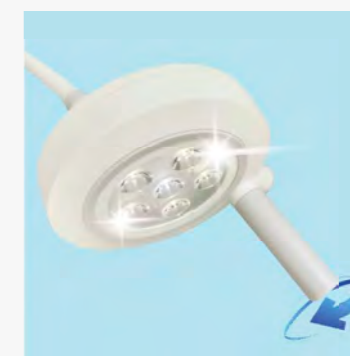
## LED Minor Surgical Light

Model: KS-Q10 (03C CM01)





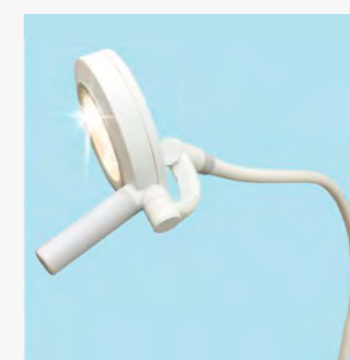
# LED Minor Surgical Light



Removable  
sterilisable handles



Vertical and Horizontal  
swivels



360° flexible plastic  
coated goose arm

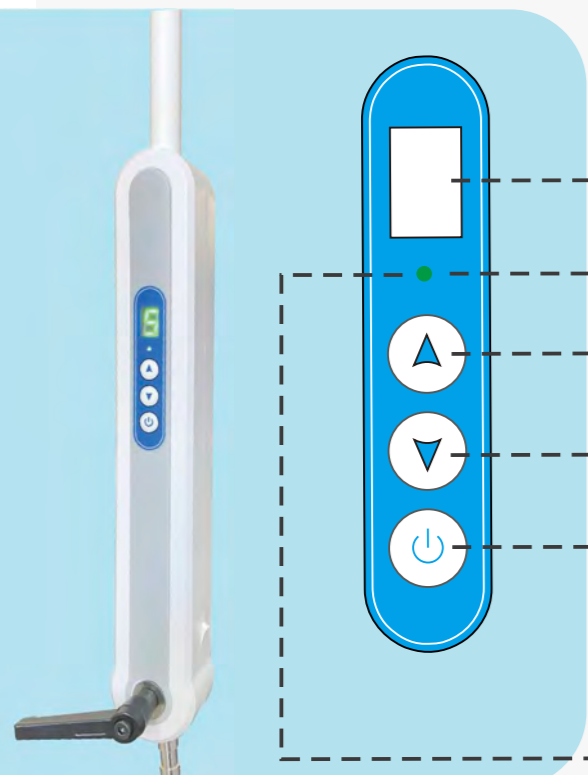
Registration Number: Yue Shan Xie Bei 20190010  
Patent Number:ZL 2023 3 0850760.1

Models	KS-LA-6D	KS-LA-6S
Diameter of lamphead	120mm	120mm
Numbers of LEDS	6 LEDS	6 LEDS
LED life span	50,000hrs	50,000hrs
Power supply	AC 100-240V 50/60Hz	AC 100-240V 50/60Hz
Total power input	20VA	20VA
Central illuminance (Ec)	50000Lx @50cm	50000Lx @50cm
Brightness control	digital touch control,5 step of brithtness	touchless control,3 step of brithtness
Light field diameter	180-300mm	180-300mm
Color teperature	3500-4500K	3500-4500K
Color rendering index	90<Ra<100	90<Ra<100

## ★ Effortless control of light intensity

### ◆ Model: KS-LA-6D

Light touch digital control with LED display screen grants an extremely simple and ergonomic way of regulating and visualizing light intensity



- 01 LED screen display
- 02 Charging indicator light
- 03 Intensity up
- 04 Intensity down
- 05 Switch on/off

Green: work status / full power  
Red flash: charging  
Red: poor power

### ◆ Model: KS-LA-6B

Emergency lighting functions through a battery backup.

This backup is continually charged so, in the event of power loss, it can provide 3 hours of backup electricity.

### ◆ Model: KS-LA-6S

Touchless intensity and power controls help reduce risk of cross-contamination

Sensitive detection range is 3-5 cm to avoid hands contact.



### Ceiling rod 1071mm

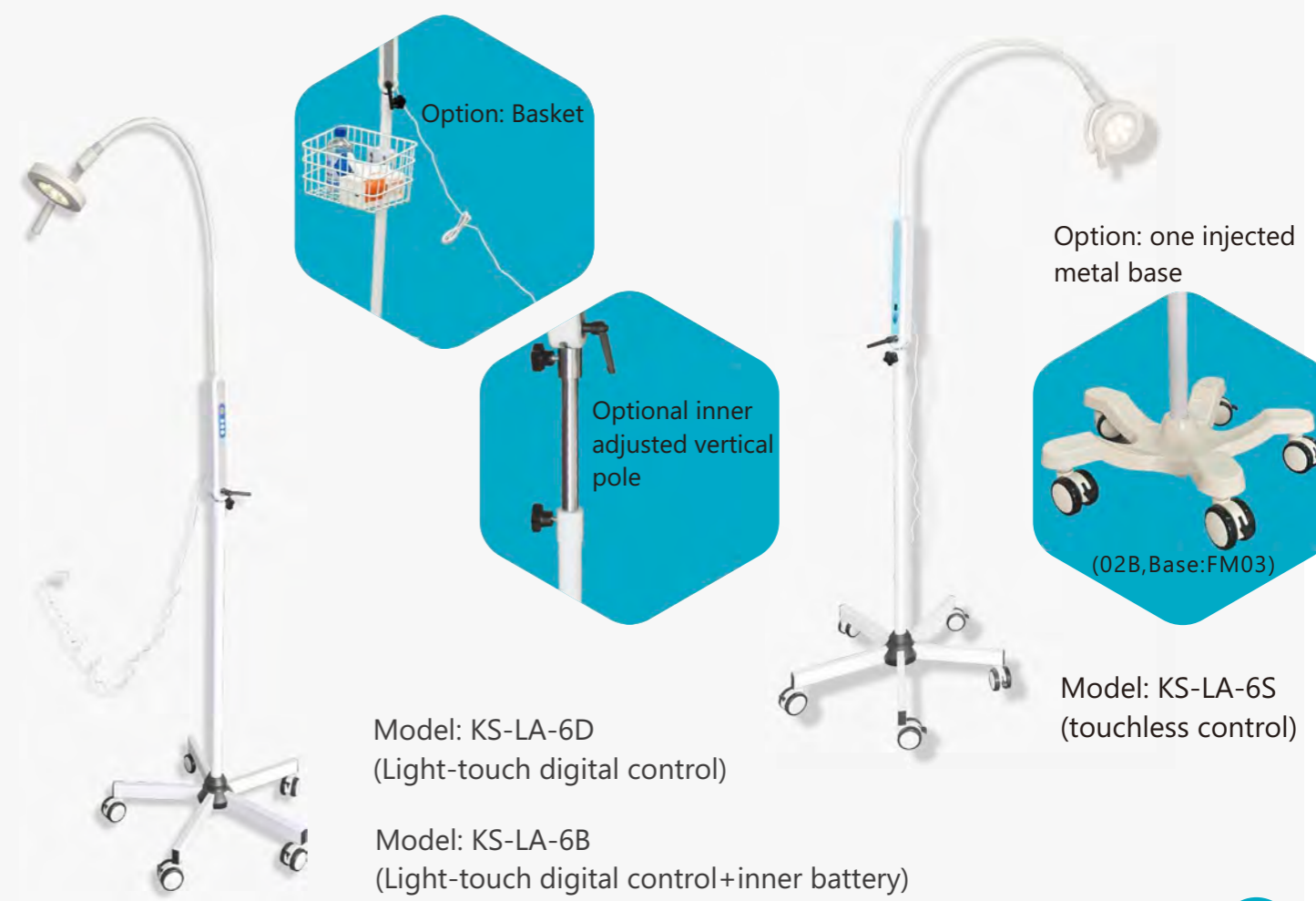


## LED Minor Surgical Light

Model: KS-LA-6D (02C)  
(Light-touch digital control)

Model: KS-LA-6B (02C)  
(Light-touch digital control+inner battery)

Model: KS-LA-6S (02C)  
(touchless control)



Model: KS-LA-6D  
(Light-touch digital control)

Model: KS-LA-6B  
(Light-touch digital control+inner battery)

Option: one injected metal base  
(02B, Base: FM03)

Model: KS-LA-6S  
(touchless control)

## LED Minor Surgical Light



Model: KS-Q7  
(Pressing digital control)

KS-Q7 bring high performance with its unprecedented high-class brightness, efficacy.

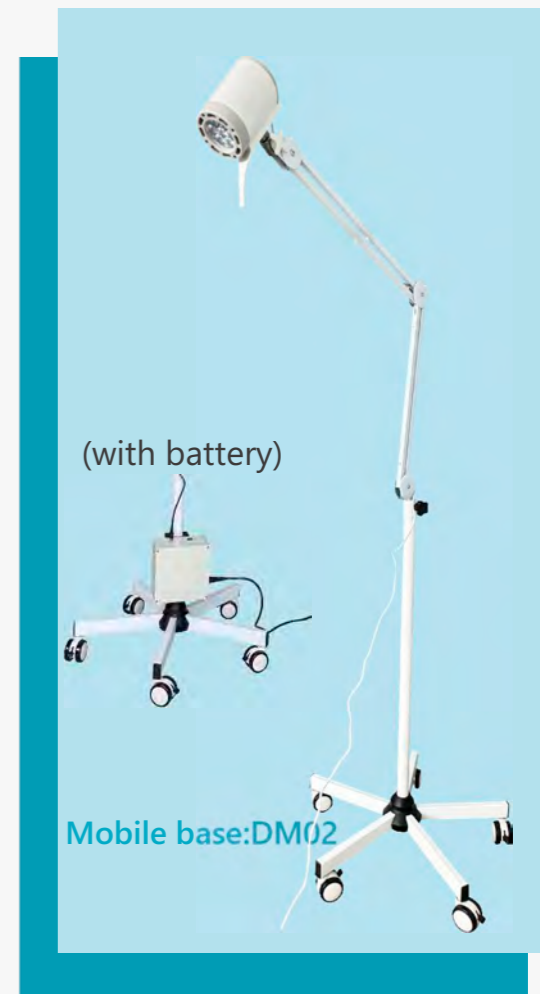
Integrated handle allow to direct the light from every position, both frontally and laterally.



Model: KS-Q7E  
(Pressing digital control)

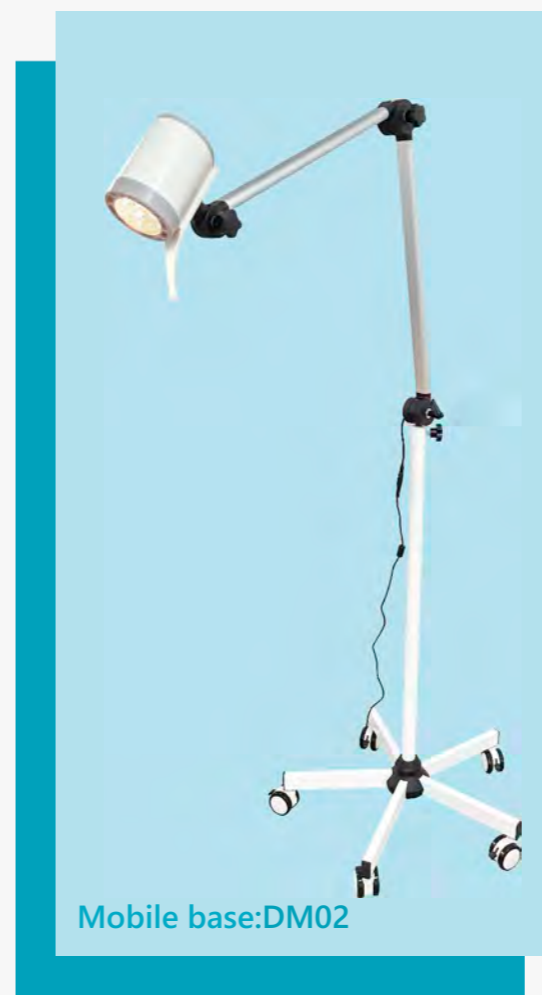
KS-Q7E adopt the elegant articulated spring-balance arm, can be adjusted simply and exactly by the user

According to customer needs, vertical, with emergency power supply, wall mounted, table clamp, rail clamp and others installation methods can be selected.



### Technical Data

Light Intensity	100,000 Lux @ D=50cm
Control System	digital key-pad control on the lamphead
Flexiable arm (KS-Q7)	76cm length flexiable plastic sleeve goose neck
Flexiable arm (KS-Q7E)	94cm length articulated steel spring arm
Diameter of Lamphead	Diameter=89mm
Diameter of Light Spot	90mm -120mm @ D=30-50cm
Light source	7x LED bulbs
LED life span	50,000 hours
Color Temperature	3500K-5000K
Color Rendition Index Ra	85 < Ra < 100
Input Voltage	AC100-240V 50/60MHz
Input Power	30VA



KS-Q7 bring high performance with its unprecedented high-class brightness, efficacy, lifetime and quality.

Integrated handle allow to direct the light from every position, both frontally and laterally.

Articulated arm ensures the light is easy to move and position and does not drift. No dead-angle examination and long reach range is presented.

Model: KS-Q7-02A  
(Pressing digital control)

# Surgical auxiliary lighting



Multi-functional control systems provides the attractive performance

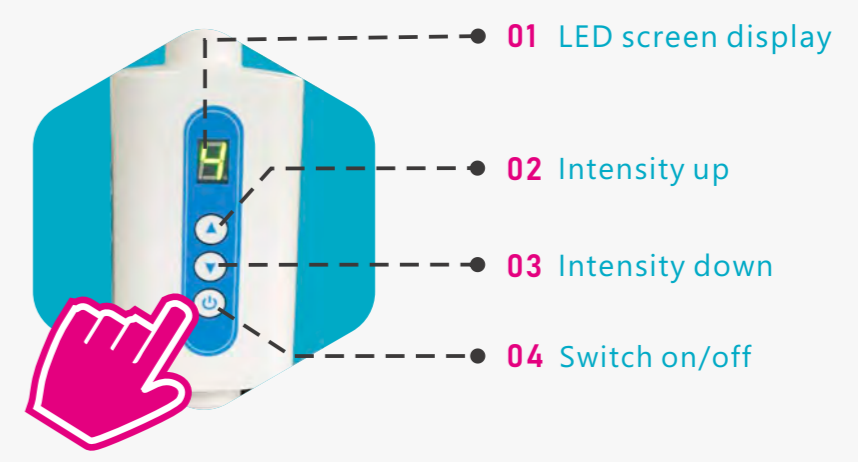


Stepless brightness control

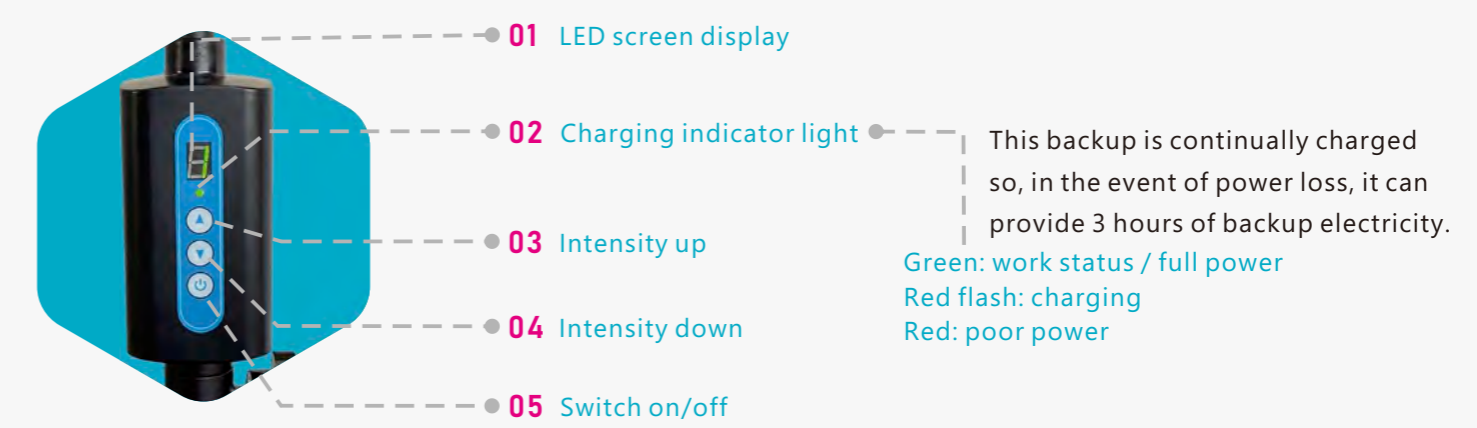
- Standard configuration
- Easy operation
- Cost-effective

## Optional configuration

Light touch digital control with LED display screen grants an extremely simple and ergonomic way of regulating and visualizing light intensity



Emergency lighting functions through a battery backup.



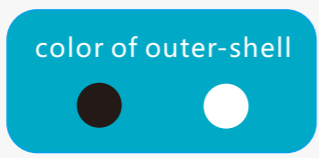
Touchless intensity and power controls help reduce risk of cross-contamination



Sensitive detection range is 3-5 cm to avoid hands contact.

# Surgical auxiliary lighting

◆ Model: KS-Q6



KS-Q6 Seires provides "daylight" illumination for truer tissue color rendition and easier diagnostis and treatment.

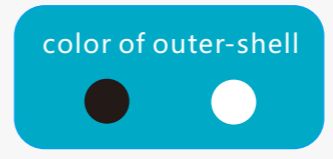


Mobile base:DM01

Standard dimmer control ,with other optional gesture controls,light-touch digital control and battery supply make the control more comfortable and efficient.



A selectable range of mounted brackets are installed on the floor, wall, surgical table, desk, rail



◆ Model: KS-Q6 (02R,RC01)



◆ Model: KS-Q6 (02W,WM01)



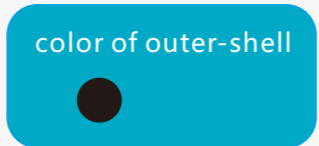
◆ Model: KS-Q6 (02T,TC01)

### Technical Data

Light Intensity	45,000 Lux @ D=50cm
Control System	Stepless control (KS-Q6)
	Light touch digital control (KS-Q6D)
	Touchless digital control (KS-Q6S)
Flexiable arm	Light touch digital control with Emergency Backup Power (KS-Q6LB)
	76cm length flexiable plastic sleeve goose neck
Material of lamphead	Full alluminium alloy
Diameter of Lamphead	Diameter=89mm
Diameter of Light Spot	80mm @ D50cm
Light source	6x LED bulbs
LED life span	50,000 hours
Color Temperature	4800K-5500K
Color Rendition Index Ra	85<Ra<100
Input Voltage	AC100-240V 50/60MHz
Input Power	20VA

# Surgical auxiliary lighting

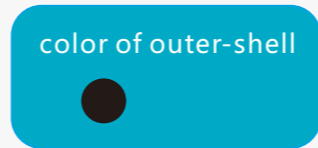
## ◆ Model: KS-Q5



Hard anodizing of full aluminum alloy lamphead is to improve corrosion resistance, wear resistance, weather resistance, insulation.

Precision multiple lens optical system provide homogeneous illumination and clearly defined light spot.

The floorstand (DM01 or ABS01), wall mounting (WM01), table clamp(TC01) for tighter spaces;Rail mounted bracket(RC01 or RC02) that can be attached to a bed raid ,wall rail, or surgical table rail. Inner battery support continuous working without AC supply.



## ◆ Model: KS-Q5N



A compact focusable light KS-Q5N ideal for illumination in restricted areas with minimal glare, higher illumination and long flexible arm provide no dead-angle examination and long reach range.

Infinite range of movement to ensure correct angle, direction and intensity of beam.

A longer arm (100cm) system ensure that the light can be positioned in the widest range, making it ideal for examination applications.



Mobile base:DM01

### Technical Data

Light Intensity	15,000 Lux @ D=50cm
Control System	Stepless control (KS-Q5)
	Light touch digital control (KS-Q5-3D)
	Touchless digital control (KS-Q5-3S)
	Built-in Battery Tactile Control (KS-Q5-3B)
Flexiable arm	100cm length flexiable plastic sleeve goose neck
Material of lamphead	Full alluminium alloy
Diameter of Lamphead	Diameter=25mm,length =130mm,handle=80mm
Diameter of Light Spot	70mm @ D50cm ,Adjusted by light grating system
Light source	1x LED bulbs
LED life span	50,000 hours
Color Temperature	4800K-6500K
Input Power	15VA
Input Voltage	AC100-240V 50/60MHz

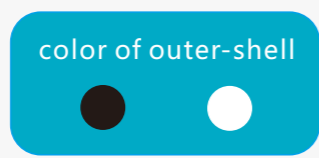


Mobile base:DM01

### Technical Data

Light Intensity	20,000-80,000 Lux @D=50cm
Control System	Stepless control (KS-Q5N)
	Light touch digital control (KS-Q5N-3D)
	Touchless digital control (KS-Q5N-3S)
	Built-in Battery Tactile Control (KS-Q5N-3B)
Flexiable arm	100cm length flexiable plastic sleeve goose neck
Material of lamphead	Full alluminium alloy
Diameter of Lamphead	Diameter=33mm,length =114mm,handle=33*114mm
Diameter of Light Spot	300mm @ D50cm ,Adjusted by focus distance
Light source	1x LED bulbs
LED life span	50,000 hours
Color Temperature	4800K-6500K
Input Power	15VA
Input Voltage	AC100-240V 50/60MHz

# Surgical auxiliary lighting



◆ Model: KS-Q3

Traditional and the most popular medical spot examination lamp with the handle on the lamphead, integrated with the switcher.

IR-free technology from LED light source reduces the sensation of heat for the patient and doctor

Excellent light source provides nature color rendering illumination for truer tissue color rendition and easier diagnosis and treatment.

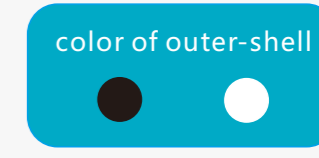


Mobile base:ABS01

Technical Data	
Light Intensity	40,000 Lux @D=50cm
Control System	Stepless control (KS-Q3) Light touch digital control (KS-Q3D) Touchless digital control (KS-Q3S) Built-in Battery Tactile Control (KS-Q3B)
Flexiable arm	76cm length flexiable plastic sleeve goose neck
lamphead	Removable cover and lamp holder with switch handle
Diameter of Lamphead	Diameter=75mm,length =110mm,handle=75*110mm
Diameter of Light Spot	110mm @ D50cm
Light source	1x LED bulbs
LED life span	50,000 hours
Color Temperature	4800K-5500K
Input Power	10VA
Input Voltage	AC100-240V 50/60MHz



Mobile base:ABS01



◆ Model: KS-Q35

35W halogen bulb with better reflector  
Easy bulb replacement—only single open the front cover of lamphead and change the bulb in seconds.

The floorstand (DM01 or ABS01), wall mounting (WM01), table clamp(TC01) for tighter spaces;Rail mounted bracket(RC01 or RC02) that can be attached to a bed rail ,wall rail, or surgical table rail.



Mobile base:ABS01

Technical Data	
Light Intensity	10,000 Lux @D=50cm
Control System	Stepless control (KS-Q35)
Flexiable arm	76cm length flexiable plastic sleeve goose neck
lamphead	Removable cover and lamp holder with switch handle
Diameter of Lamphead	Diameter=75mm,length =110mm,handle=75*110mm
Diameter of Light Spot	190mm @ D50cm
Light source	1x Halogen bulb 12V35W
LED life span	2000 hours
Color Temperature	3500K-4500K
Input Power	40VA
Input Voltage	AC100V-240V 50/60MHz

OPTION



Shantou Easywell Electronic Technologies Co.,Ltd



## Medical Endoscopic camera systems & Medical Light source

Registration Number: Yue Jian Zhu Zhun 20242061766

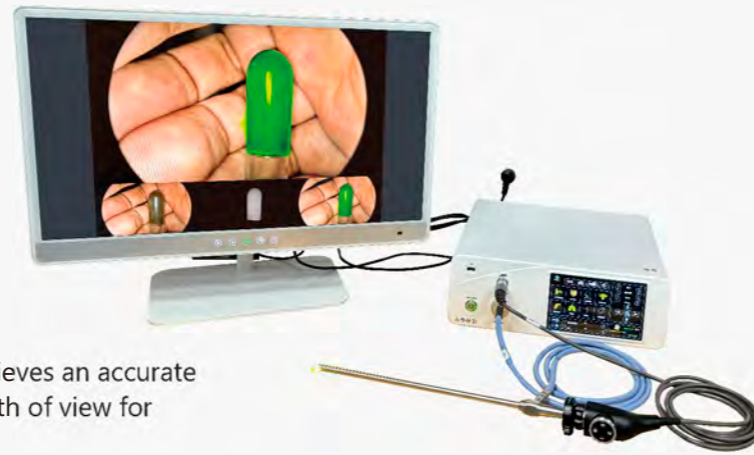
Medical Device Production License:

Guangdong Medical Device Production Permit No. 20234968

[www.easywellmedical.com](http://www.easywellmedical.com)

# 4K+ICG UHD Fluorescent Endoscope Video System

## ◆ Model: E42A-ICG



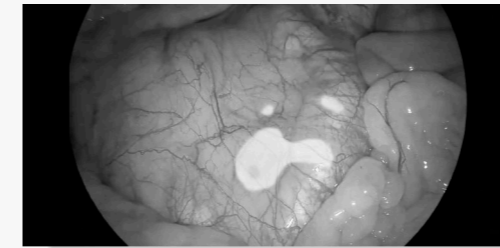
- Perfect fluorescent overlay on RGB, in Mode which achieves an accurate color reproduction in multispectral and improved depth of view for surgical application
- Dual image processing fluorescence technology, the camera can simultaneously capture visible light and fluorescence images
- It features graphic and text processing capabilities, capable of recording 3840x2160 ultra-high-definition video and 3840x2160 ultra-high-definition images.
- Standard C-type optical interface, fully sealed design, with an IPX8 waterproof rating.



Model of Endoscope Camera	E42A-ICG	
Image processing technical data	Image sensor	1/1.8 inch CMOS SONY x2
	Effective pixel	8,290,000 pixels
	Resolution (video)	3840x2160
	Scanning mode	progressive scanning
	Aspect Ratio	16:9
Camera Head	Image Function	White balance, Gain, Brightness, Color, Contrast, DNR, Defog, Dark EN, etc.
	Optical lens focal length	25mm (standard) ; 18mm, 35mm etc. (option)
	Waterproof grade	IPX8
Parameter of light source	Camera cable	2.9m
	Light source output	white/NIR/white+NIR
	Wavelength of NIR	760~780nm
	Life span	LED ≥30000 Hrs
	Color rendering index Ra	≥90
Electrical specification	Color Temperature K	5000~7000K
	Illumination Intensity	> 2,000,000 Lux
	Power supply	AC100-240V
Control Panel&Interface	Input Power	125VA
	Control system	8 inch touch screen
	Record	Capture and video recording
	Storage	USB disk or Hard disk
	Video output	USB 3.0x3, HDMI 2.0, DVI, 12G-SDI RJ45(network)

## Standard Fluorescence Mode

Standalone CMOS fluorescence imaging; and fusion with white light images  
 Simultaneously display white light and fluorescently highlighted areas;  
 Achieve fluorescence navigation without altering the surgeon's operative habits.

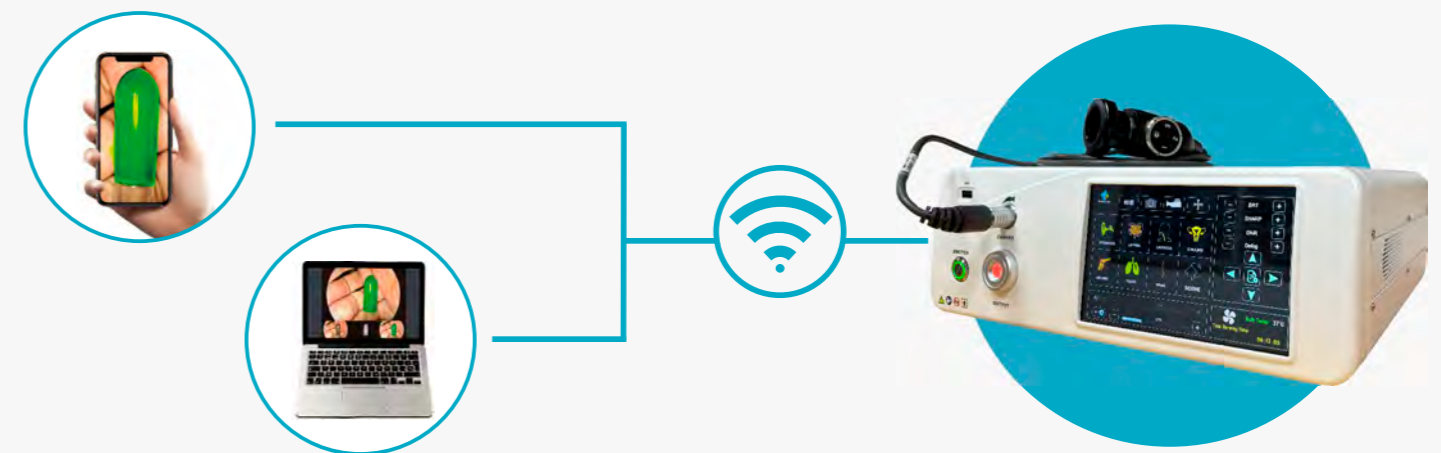


## Black & White Fluorescence Mode

During application, it effectively prevents inaccurate localization of fluorescence imaging in the mid-to-late stages of surgery due to the dispersion of fluorescent agents.

## Multi-mode Fluorescence Imaging

The system simultaneously displays both white light mode and fluorescence-merged mode images, enabling real-time fluorescence navigation by revealing the contrast agent's location without interfering with standard white light surgical procedures.



Equipped with network transmission capabilities, it supports real-time remote consultations and teaching, significantly improving the utilization efficiency of medical resources.

The multi-view 4K display function for both white light and fluorescence images allows doctors to compare and observe images under different light sources more clearly, further enhancing diagnostic accuracy.

## 4K/UHD Endoscopic Camera With Light Source 2-IN-1



### ◆ Model: E42A 7 inch touch screen



The resolution of 4K Endoscopy camera is 3840 x 2160, it can present doctors with more excellent endoscopic images, and the ultra-high processing chip realized rich color gamut. FPGA image processing algorithms can achieve stronger noise reduction, sharpening, brightness, contrast and extinction functions, and better meet the needs of doctors in the diagnosis of complex surgical treatment.

Model of Endoscope Camera	E42A/E42B	
Image processing technical data	Image sensor	1/1.8 inch CMOS SONY
	Effective pixel	8,290,000 pixels
	Resolution (video)	3840×2160
	Scanning mode	progressive scanning
	Aspect Ratio	16:9
Camera Head	Image Function	White balance, Gain, Brightness, Color, Contrast, DNR, etc.
	Optical lens focal length	35mm (standard)
	Waterproof grade	IPX8
	Camera cable	2.9m
Parameter of light source	Life span	LED ≥30000 Hrs
	Color rendering index Ra	≥90
	Color Temperature K	5000 ~ 7000K
Electrical specification	Illumination Intensity	> 2,000,000 Lux
	Power supply	AC100-240V
Control Panle&Interface	Input Power	90VA
	Control system	7 inch touch screen (E42A) 7 inch touch screen, with Sync display function (E42B)
	Record	Capture and video recording
	Storage	USB disk or Hard disk
	Video output	SDI, HDMI, USB 3.0, DVI, RJ45

### ◆ Model: E42B

### 7 inch touch screen with extral display



Whether endoscopy or other imaging systems – the best visualization technology is only as good as the screen that it is displayed on. The high-resolution flat-screens (32", 43" and 55") meet the most demanding requirements in the OR. The monitors are splash-proof and offer an OSD (On-Screen Display) menu

#### 4K

sensor:1/1.8 Original imported sensor parts,Ultra high resolution≥(3840\*2160)

#### AWB

Full intelligent automatic white balance with one click,Strong light suppression, enhanced permeability, deviation correction, etc

#### EMC

Solving electromagnetic interference of energy platform during operation



Camera head waterproof IPX8: to prevent water from entering the camera head during the surgery.



7 inches touch screen design, allowing you to set functions and parameters directly on the screen.



Standard C-type optical interface, fully sealed design, with an IPX8 waterproof rating

## FHD Endoscopic Camera With Light Source 2-IN-1



### ◆ Model: E22A 7 inch touch screen

1080P Full HD Endoscope Camera is used with Medical Light source, Medical Trolley for endoscope inspection and surgery.

The resolution 1080P ( 1920 x 1080 ) can present delicate images, stronger noise reduction, sharpening, brightness, contrast and extinction functions and better meet the needs doctors in the diagnosis of complex surgical treatment.

Model of Endoscope Camera		E22A/E22B
Image processing technical data	Image sensor	1/2 inch CMOS SONY
	Effective pixel	2,130,000 pixels
	Resolution (video)	1920×1080
	Scanning mode	progressive scanning
	Aspect Ratio	16:9
Camera Head	Image Function	White balance, Gain, Brightness,Color,Contrast, DNR,etc.
	Optical lens focal length	25mm (standard)
	Waterproof grade	IPX8
Parameter of light source	Camera cable	2.9m
	Life span	LED ≥30000 Hrs
	Color rendering index Ra	≥90
	Color Temperature K	5000 ~ 7000K
Electrical specification	Illumination Intensity	> 2,000,000 Lux
	Power supply	AC100-240V
	Input Power	90VA
Control Panle&Interface	Control system	7 inch touch screen (E22A) 7 inch touch screen, with Sync display function (E22B)
	Record	Capture and video recording
	Storage	USB disk or Hard disk
	Video output	HD-SDI, HDMI, USB,DVI,CVBS

### ◆ Model: E22B

#### Main Features

1. Sony CMOS FHD Camera
2. Built-in LED Cold Light Source
3. Additional HD Medical Monitor can be connected via HDMI video output
4. Recording function can be achieved
5. Built-In USB Recording and Storage
6. Suggest to be used for all rigid endoscopes, such as rigid (ENT) otoscope, laryngoscope, sinoscope, laparoscope, hysteroscope, cystoscope, arthroscope, spine endoscope etc.This model will have a good surgery performance.



### 7 inch touch screen with extral display



#### FHD

sensor:1/2 Original imported sensor parts,Full high resolution≥(1920\*1080)

#### AWB

Full intelligent automatic white balance with one click,Strong light suppression, enhanced permeability, deviation correction, etc

#### EMC

Solving electromagnetic interference of energy platform during operation



Camera head waterproof IPX8: to prevent water from entering the camera head during the surgery.



7 inches touch screen design, allowing you to set functions and parameters directly on the screen.



Standard C-type optical interface, fully sealed design, with an IPX8 waterproof rating

## FHD Endoscopic Camera With Light Source 2-IN-1



Model: E12A



<p><b>H</b></p> <p>1920(H)*1080(V) Intelligent digital full HD 1200lines HD-1080P Effective pixels is 1920(H)*1080(V).</p>	<p><b>AWB</b></p> <p>Full intelligent automatic white balance with one click</p>	<p></p> <p>5" touch LCD screen, wear-resistant, scratch resistant, fastness, quick-witted.</p>
<p><b>EMC</b></p> <p>Solving electromagnetic interference of energy platform during operation</p>	<p></p> <p>Camera head waterproof: to prevent water from entering the camera head during the surgery.</p>	<p></p> <p>Extinction speed is fast, which can solve the operation delay of surgical images and reduce visual fatigue.</p>

Model of Endoscope Camera		E12A
Image processing technical data	Image sensor	1/2" 2.13M SONY
	Effective pixel	2,130,000 pixels
	Resolution (video)	1920x1080
	Scanning mode	progressive scanning
	Aspect Ratio	16:9
Camera Head	Image Function	White balance, Gain, Brightness, Color, Contrast, DNR, etc.
	Optical lens focal length	25mm (standard)
	Waterproof grade	IPX8
	Camera cable	2.9m
Parameter of light source	Life span	LED ≥30000 Hrs
	Color rendering index Ra	≥90
	Color Temperature K	5000 ~ 7000K
	Illumination Intensity	> 2,000,000 Lux
Electrical specification	Power supply	AC100-240V
	Input Power	120VA
Control Panle&Interface	Control system	5 inch touch screen
	Video output	SDI, HDMI

## Medical Trolley

- Constructed from high-quality, high-strength aluminum alloy, with a durable powder-coated surface; lightweight yet highly precise.
- Work surface is also aluminum alloy with powder-coating, corrosion-resistant and easy to clean, impact-resistant and tough; dimensions: 450 mm x 410 mm x 8 mm.
- Pneumatic height-adjustment system provides smooth lifting from 800 mm to 1 150 mm, accommodating various physician preferences.

### Model: KS-YTJ01



- Adjustable monitor mount tilts +30° to -15°, swivels 180° left/right, and supports loads over 15 kg, ensuring optimal viewing angles for medical staff.
- Optional retractable, concealed keyboard tray saves space; mouse tray extends left or right to suit different user habits.
- Base chassis: aluminum alloy with powder-coated finish, engineered for stable motion and awarded a national patent; size 480 mm x 480 mm.
- Medical-grade silent swivel casters, 75 mm diameter, anti-static and anti-wrap, secure and long-lasting.

Table size: 465x410mm (customizable)  
 Basket size: 270x125x140mm  
 Base size: diameter 500mm  
 Wheels: 3 inches, all wheels with brake  
 Probe cup size:  
 diameter 50MM x depth 47MM  
 Vehicle load capacity: 50KG  
 Vehicle weight: 8.5KG

### Model: KS-8055



# Medical trolley

Model:KS-N8002



Vehicle size (excluding brackets):590 (length) × 580 (width) × 1265 (height) mm

Metal tray size:538 (length) × 460 (width) × 35 (thickness) mm

Monitor stand:Adjustable up and down and capable of 360 ° rotation, supporting dual screen installation simultaneously

Drawer size:537 (length) × 460 (width) × 160 (depth) mm

Standard net weight: 46.5 kilograms

Carton packaging size: 605 (length) x 580 (width) x 1167 (height) mm

Characteristic description:

The interlayer spacing and number of layers can be adjusted independently, suitable for endoscopic equipmentIntegration with operating room equipment, as well as computer and professional equipmentIntegrate the system.

Chassis Dimensions (excluding supports):  
595(L) x 560(W) x 1380(H) mm

Metal Tray Dimensions:  
537(L) x 470(W) x 35(D) mm

Monitor Bracket:  
Height-adjustable with 360°rotation  
Dual-mount capability (2 displays)

Drawer Dimensions:  
536(L) x 371(W) x 180(D) mm

Net weight: 72kg  
Package dimensions: 605(L) x 570(W) x 1285(H) mm

The spacing between layers can be adjusted by oneself, and the number of layers can also be adjusted by oneself.  
Equipped with a seven hole socket and a one button power start button.  
Suitable for endoscope equipment integration, operating room equipment integration, computer and dedicated Equipment integration.

Model:KS-N8005



Body Dimensions (Excluding Bracket):  
590 (L) × 580 (W) × 1175 (H) mm

Metal Tray Dimensions:  
477 (L) × 427 (W) × 35 (D) mm

Monitor Mount:  
Height-adjustable and 360° rotatable;  
supports up to two monitors simultaneously

Net Weight (Standard Configuration):38 kg

Carton Packaging Dimensions (Option 1):  
605 (L) × 590 (W) × 1085 (H) mm

Carton Packaging Dimensions (Option 2):  
565 (L) × 545 (W) × 1085 (H) mm

Shelf spacing and shelf quantity are user-adjustable.  
Rear column features cable-entry holes for easy routing of computer and specialized-equipment cables.  
Ideal for integrating endoscopic equipment, operating-room devices, computers, and other specialized instruments.

Model:KS-N8009



Body Dimensions (Excluding Bracket):  
530 (L) × 520 (W) × 1185 (H) mm

Metal Tray Dimensions:465 (L) × 465 (W) × 35 (D) mm

Monitor Mount:  
Height-adjustable and 360° rotatable;  
supports up to two monitors simultaneously

Drawer Dimensions:  
465 (L) × 467 (W) × 150 (D) mm

Net Weight (Standard Configuration):57 kg

Carton Packaging Dimensions:565 (L) × 545 (W) × 1085 (H) mm

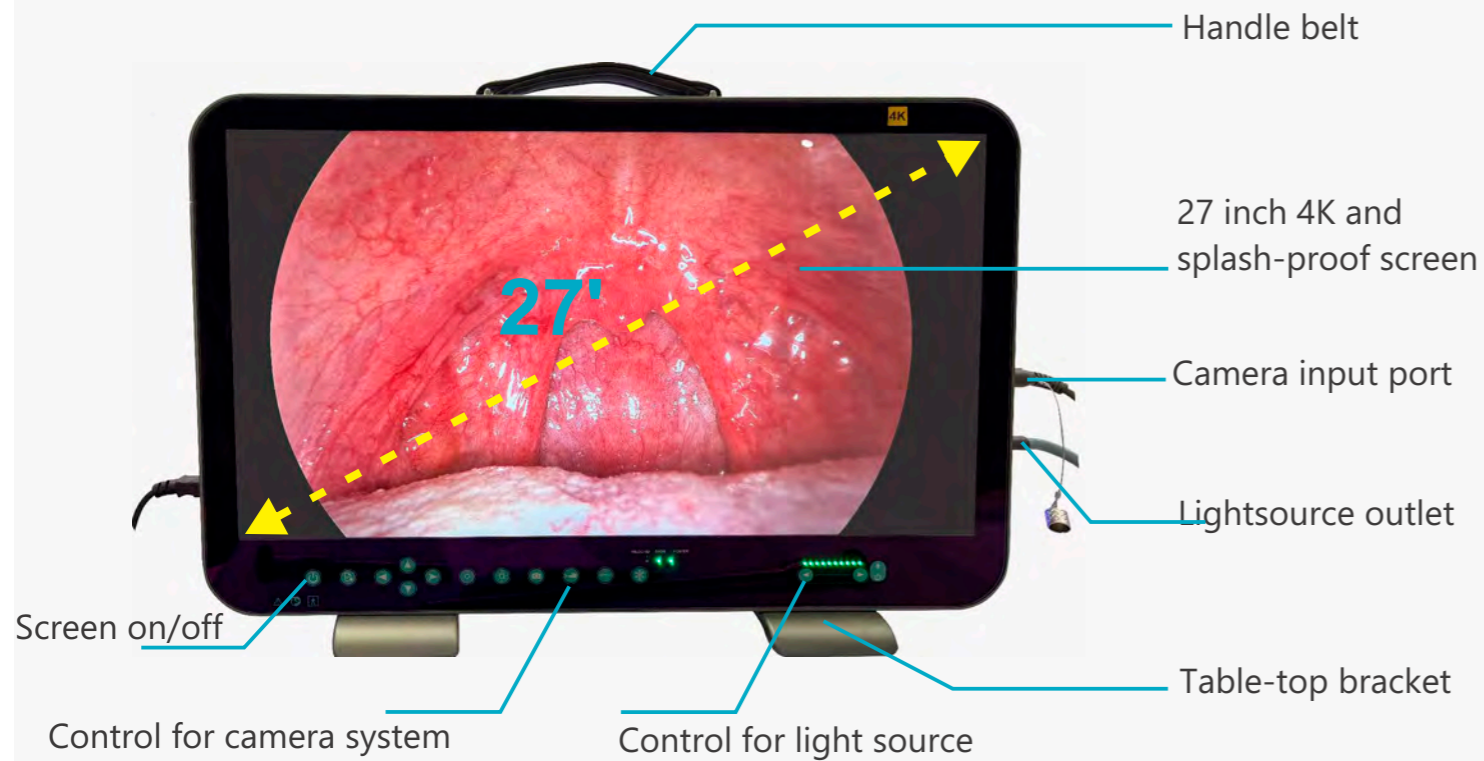
Shelf spacing and shelf quantity are user-adjustable.  
Equipped with a dedicated mouse and keyboard compartment;  
both side columns feature concealed cable routing.  
The body incorporates a perforated metal design for heat dissipation.  
Ideal for integrating endoscopic equipment, operating-room devices, computers, and other specialized instruments.

Model:KS-N8006



## All In One 4K/UHD Image System For Endoscope (3-IN-1)

◆ Model: E43      27 inch 4K Display Screen



27-inch 4K high-resolution flat screen with anti-splash and anti-glare glass protection meets the most demanding requirements of the operating room

The resolution of 4K Endoscopy camera is 3840 x 2160, it can present doctors with more excellent endoscopic images, and the ultra-high processing chip realized rich color gamut. FPGA image processing algorithms can achieve stronger noise reduction, sharpening, brightness, contrast and extinction functions, and better meet the needs of doctors in the diagnosis of complex surgical treatment.



Model of Endoscope Camera	E43	
Image processing technical data	Image sensor	1/1.8 inch CMOS SONY
	Effective pixel	8,290,000 pixels
	Resolution (video)	3840×2160
	Scanning mode	progressive scanning
Camera Head	Aspect Ratio	16:9
	Image Function	White balance, Gain, Brightness,Color,Contrast, DNR,etc.
	Optical lens focal length	35mm (standard)
Parameter of light source	Waterproof grade	IPX8
	Camera cable	2.9m
	Life span	LED ≥30000 Hrs
	Color rendering index Ra	≥90
Display	Color Temperature K	5000 ~ 7000K
	Illumination Intensity	> 2,000,000 Lux
	Screen	27 inch with anti-splash and glare glass
Electrical specification	Resolution (screen)	3840x2160
	Power supply	AC100-240V
Control Panle&Interf ace	Input Power	120VA
	Control system	Light-touch control
	Record	Capture and video recording
	Storage	USB disk or Hard disk
	Video output	SDI, HDMI, USB 3.0,DVI,RJ45

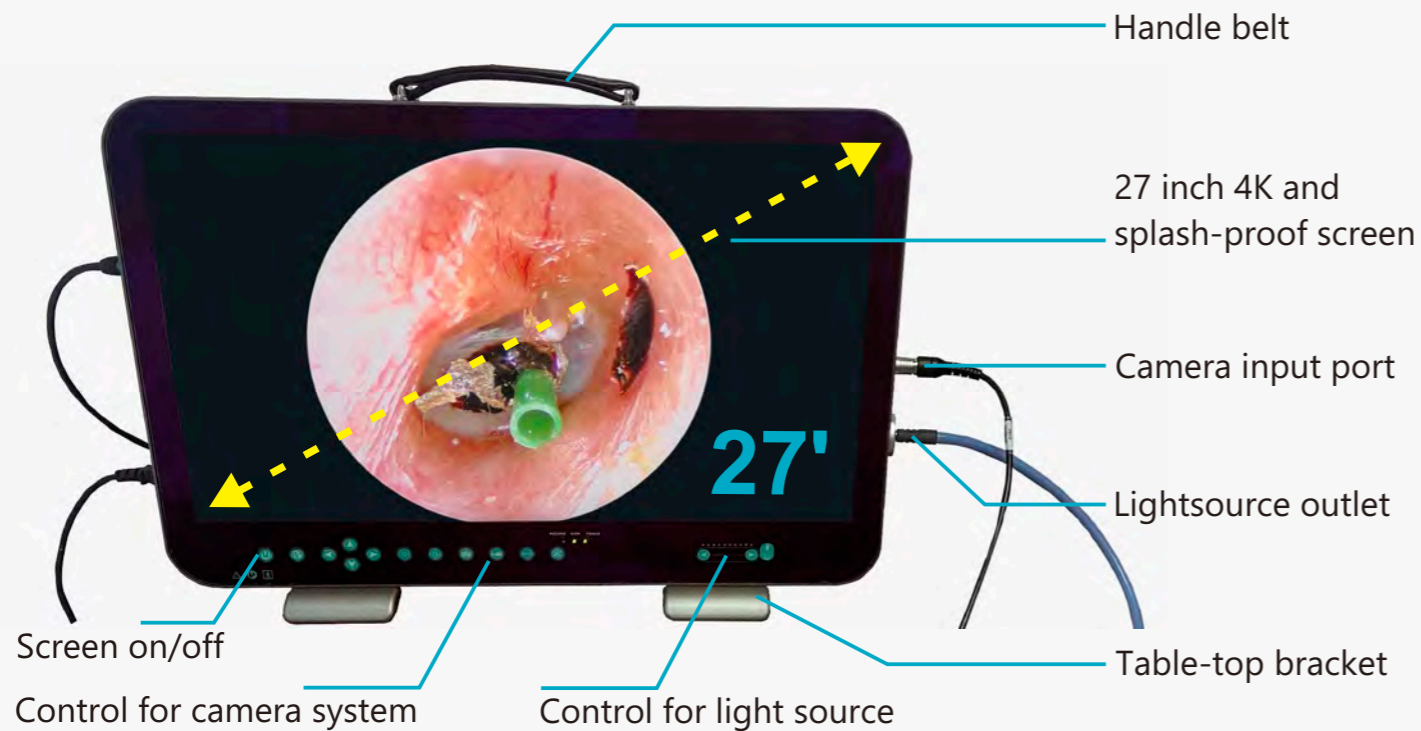
Equipped with protective aluminum case



## All In One FHD Image System For Endoscope (3-IN-1)

◆ Model: E33

27 inch 4K Display Screen



1080P Full HD Endoscope Camera is used with Medical Light source, Medical Trolley for endoscope inspection and surgery.

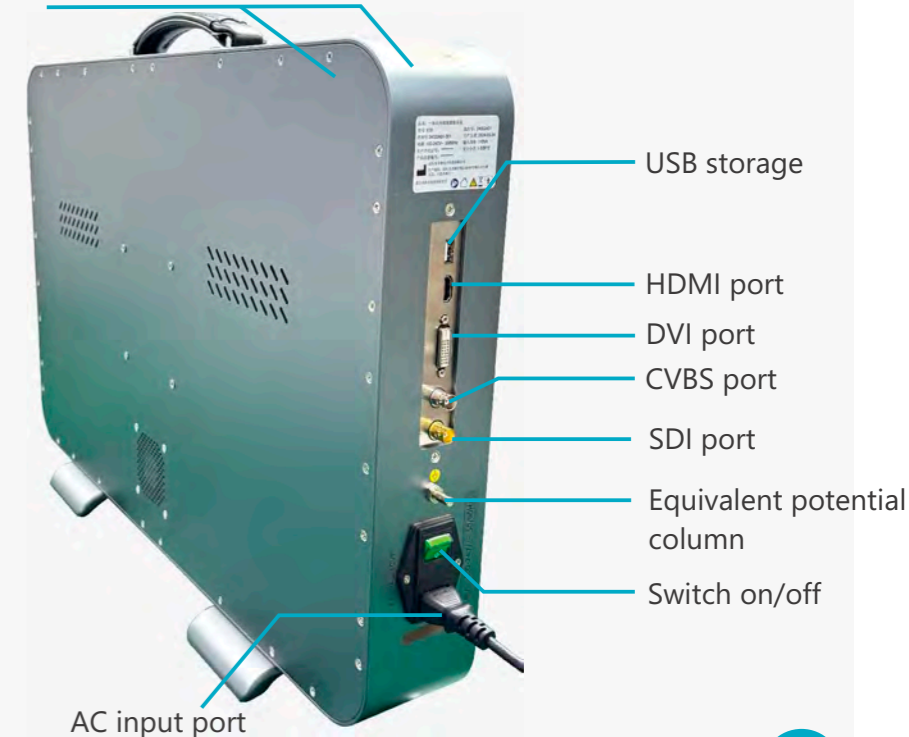
The resolution 1080P ( 1920 x 1080 ) can present delicate images, stronger noise reduction, sharpening, brightness, contrast and extinction functions and better meet the needs doctors in the diagnosis of complex surgical treatment.



Model of Endoscope Camera		E33
Image processing technical data	Image sensor	1/2 inch CMOS SONY
	Effective pixel	2,130,000 pixels
	Resolution (video)	1920x1080
	Scanning mode	progressive scanning
	Aspect Ratio	16:9
Camera Head	Image Function	White balance, Gain, Brightness,Color,Contrast, DNR,etc.
	Optical lens focal length	25mm (standard)
	Waterproof grade	IPX8
Parameter of light source	Camera cable	2.9m
	Life span	LED ≥30000 Hrs
	Color rendering index Ra	≥90
	Color Temperature K	5000~7000K
Display	Illumination Intensity	> 2,000,000 Lux
	Screen	27 inch with anti-splash and glare glass
Electrical specification	Resolution (screen)	3840x2160
	Power supply	AC100-240V
Control Panle&Interface	Input Power	120VA
	Control system	Light-touch control
	Record	Capture and video recording
	Storage	USB disk or Hard disk
	Video output	HD-SDI, HDMI, USB,DVI, CVBS

### Equipped with protective aluminum case

All aluminum alloy frame and back plate, surface oxidation treatment



## UHD IMAGING SYSTEM FOR (MEDICAL)ENDOSCOPE 4K



### ◆ Model: E40A

The resolution of 4K Endoscopy camera is 3840 x 2160, it can present doctors with more excellent endoscopic images, and the ultra-high processing chip realized rich color gamut. FPGA image processing algorithms can achieve stronger noise reduction, sharpening, brightness, contrast and extinction functions, and better meet the needs of doctors in the diagnosis of complex surgical treatment.



7 inch touch screen

### ◆ Model: E40B

7 inch touch screen  
with extral display



Model of Endoscope Camera		E40A/E40B
Image processing technical data	Image sensor	1/1.8 inch CMOS SONY
	Effective pixel	8,290,000 pixels
	Resolution (video)	3840×2160
	Scanning mode	progressive scanning
	Aspect Ratio	16:9
Camera Head	Image Function	White balance, Gain, Brightness,Color,Contrast, DNR,etc.
	Optical lens focal length	25mm (standard) ; 18mm,35mm etc. (option)
	Waterproof grade	IPX8
	Camera cable	2.9m
Electrical specification	Power supply	AC100-240V
	Input Power	40VA
Control Panle&Interface	Control system	7 inch touch screen (E40A) 7 inch touch screen, with Sync display function (E40B)
	Record	Capture and video recording
	Storage	USB disk or Hard disk
	Video output	SDI, HDMI, USB 3.0,DVI,RJ45

## FHD IMAGING SYSTEM FOR (MEDICAL )ENDOSCOPE



### ◆ Model: E20A

#### 7 inch touch screen

1080P Full HD Endoscope Camera is used with Medical Light source, Medical Trolley for endoscope inspection and surgery.

The resolution 1080P ( 1920 x 1080 ) can present delicate images, stronger noise reduction, sharpening, brightness, contrast and extinction functions and better meet the needs doctors in the diagnosis of complex surgical treatment.

### ◆ Model: E20B

7 inch touch screen  
with extral display

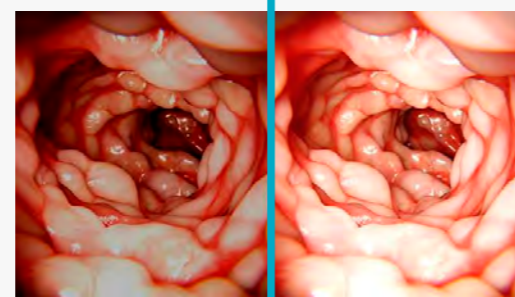
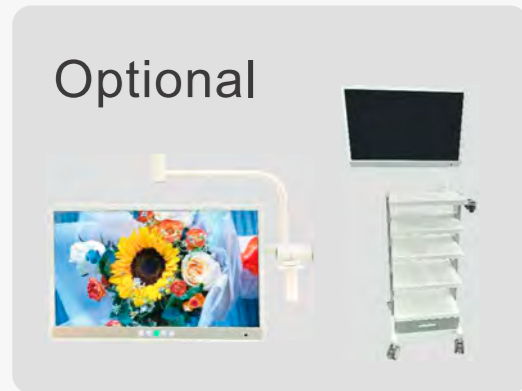


Endoscopic visualization for minimally-invasive diagnostics and surgical applications.

Model of Endoscope Camera		E20A/E20B
Image processing technical data	Image sensor	1/2 inch CMOS SONY
	Effective pixel	2,130,000 pixels
	Resolution (video)	1920×1080
	Scanning mode	progressive scanning
	Aspect Ratio	16:9
Camera Head	Image Function	White balance, Gain, Brightness,Color,Contrast, DNR,etc.
	Optical lens focal length	25mm (standard) ; 18mm,35mm etc. (option)
	Waterproof grade	IPX8
	Camera cable	2.9m
Electrical specification	Power supply	AC100-240V
	Input Power	40VA
Control Panle&Interface	Control system	7 inch touch screen (E20A) 7 inch touch screen, with Sync display function (E20B)
	Record	Capture and video recording
	Storage	USB disk or Hard disk
	Video output	HD-SDI, HDMI, USB,DVI,CVBS

# 4K Medical displays 32"

◆ Model: EM32-4KA



## Large 4K screen

32 inch large screen with 4K resolution, providing high-quality image display

## Low blue light technology

The light within the range of 415nm-455nm should be less than 50% compared to the light within the range of 400nm-500nm, Effectively prevent blue light from penetrating and protect users' eye health.

## Has stable brightness

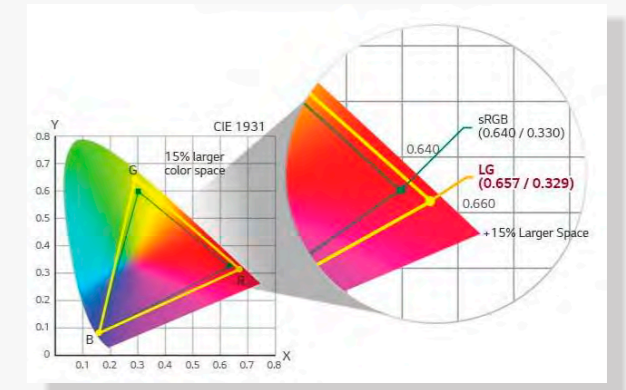
Can maintain constant brightness, sensors can measure backlight and local lighting conditions, Optimize the brightness of the correct surgical procedure.

## Easy to clean

Adopting a fully flat and enclosed design, anti glare and splash, touch control buttons, Easy for users to clean and disinfect.

## sRGB 115% (Area), Over 99% (Coverage)

The EM32-4KA, supports sRGB 115% (Area) and Over 99% (Coverage) with the standard DICOM Part 14, is designed for accurate color recognition and depth perception during invasive surgery. It enables surgeons to view accurate, realistic images and allow precise surgery.



model		EM32-4KA
Screen size (diagonal)		31.5 inches (80.0051cm)
appearance		Anti glare and splash glass, touch control
display	resolving power	3840×2160px
	Screen ratio	16:9
	Display color	1.07B (10-Bit)
	Point distance	0.18159mm x 0.18159mm
	Perspective (horizontal x vertical)	178° × 178°
	Maximum brightness	600 cd/m <sup>2</sup>
	contrast ratio	2000:1
response time		14ms
Medical Curve		GAMMA1.8/GAMMA2.0/GAMMA2.2/GAMMA2.4/GAMMA2.6
Input interface		HDMI 2.0, DP1.4, HDMI 1.4, 3G-SDI, REMOTE
Product specifications	Product size	731×456×22.6mm
	Packaging size	830×215×630mm
	Net weight (including base)	20kgs
The power adapter	Gross weight	21.5kgs
	input	AC100-240V, 50/60Hz
output		DC12V, 6.67A 80W
language		English, Chinese, Korean, Russian, Spanish, Japanese, French
To configure	Standard configuration	White base, HDMI cable, remote control, power adapter
	optional	Surgical lamp arm fixed bracket, wireless transmitter and receiver



Model:KS-ELS280A

# Medical Light source For Endoscope

For its good illumination and clear imagine, the cold light source is mainly used in endoscope&microscope clinical medical to supply light source. It can provide good illumination in test,treatment, surgery, camera and video of body cavity organs.



Model:KS-ELS200A



WOLF Connector of optical fiber



STORZ Connector of optical fiber



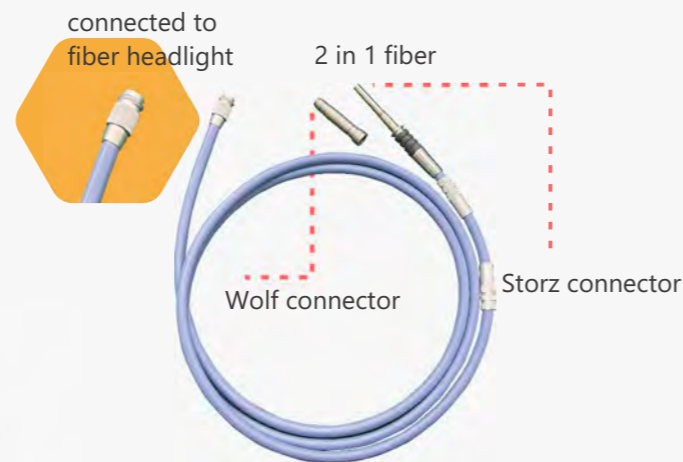
Model:KS-ELS100A

### Technical Data of KS-ELS100A/200A/280A

Light source	60W/120W/150W LED
Life span of LED	30,000Hours
Input power	100VA/200VA/300VA
Input Voltage	AC100-240V, 50/60Hz
Color rendering index	>90
Color Temperature	5700-7000K
Illumination Intensity	> 2,000,000 Lux
Brightness control	0-100% brightness adjustment(3.5 inch touch screen)
Infrared cut off	≤ 6 mW/lm (300nm~1700nm)
Φer (630nm~660nm)/ Φeg(515nm~545nm)	0.75
Φeb (435nm~465nm)/ Φeg(515nm~545nm)	1.45
Illumination uniformity	0.95
Size of products	300mm×310mm ×100mm
Weight of product	4.4 kgs
Mechanical interface	Φ10±0.1 mm
Adaptor	Wolf(standard), Storz(option)

# Portable Medical Light source For Endoscope

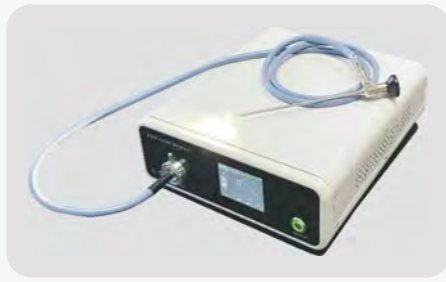
KS-ELS05/ H05



with optical fiber headlight KS-H8



Lightsource with optical fiber + fiber headlight



Lightsource with optical fiber + rigid endoscope



The Portable LED Light Source KS-series transforms your flexible or rigid endoscope into a portable device. It delivers exceptional light intensity and quality in a compact unit that eliminates the need for external light sources, cables and lamp replacement. Bright lighting with precise control is crucial for internal diagnosis.

**Technical Data of KS-ELS05**

Light source	5W LED
Color rendering index	>90
Color Temperature	5700-6500K
Illumination Intensity	> 400,000 Lux (> 80,000 Lux with endoscope)
Brightness control	3 steps light pressing
Size of products	145mm×23mm
Weight of product	100g
Battery type	Lithium 18650
Volume of battery	3.7v 2600mAh
Working time	4-6 hours

## Portable USB Endoscope Camera System

Model: E10U



Full HD 1080P/60fps  
SONY Camera



Professional Functions,  
One-touch Image Freeze  
One-touch White Balance



Customized Portable Design  
LED Cold Light Source



Windows/Mac OS  
Linux Compatibility



IPX8 Waterproof Rating  
Full-body Sterilizable



Medical Flexible  
Silicone Cable



Standard Endoscope  
C-Mount



USB 3.0 Super  
Speed Interface

## Beyond the Vision A clear world of possibilities



Model	E10U	
Device Specifications	Handle Dimensions	95mm×35mm
	Cable Length	2500mm
	Weight (without optical mount)	230g
	Power Supply	5V/1A
	Transmission Method	USB2.0/USB3.0
	Camera Adapter	C-mount
	Optical Mount (Optional)	F14,F16, F18, F20, F22 f25,F28,F18-35
Camera parameters	Maximum Resolution	2Mpx/ 1920×1080 px
	Maximum Frame Rate	60 FPS (at max. Resolution)
	Image Sensor	SONY 1/2.8" CMOS
	Color Depth	10 bit / 12 bit
	White Balance	One-touch White Balance
	Image Freeze	One-touch Image Freeze
	IR-Cut	IR-650nm Low-Pass Filter

## Portable USB Endoscope Camera System

Endoscope universal interface compatible with mainstream endoscopes



### Optical glass spotlight system

- Adopting 4 all glass optical lenses and anti reflective coating process
- Bring more uniform light spot and higher transmittance efficiency

Model: KS-H05U

Self developed dual gold wire LED  
Adopting Osram ultra large wafers

- Touch to control, adjustable brightness in three levels: low, medium, and high
- Efficient linear constant current LED driver, 0 flicker



## Aviation-Grade Aluminum Unibody Housing

CNC Precision Machining with Seamless Aerodynamic Housing



All metal design, using sandblasting Anodizing treatment, exquisite and delicate



Efficient linear LED driver



Light 0 flashing screen



Stable image quality



Waterless ripple

### Product parameters

Product model	KS-H05U
Product color	Titanium metallic color
Power Interface	USB
Input Parameters	5V=1.2A
Light Source Power	6W (@ max)
LED Lifespan	>20000h
Color Temperature	7500K±500K
Luminous Flux	≥200000Lx
Mode Settings	Low/Medium/High Brightness
Light Source Interface	Compatible with Endoscope Interfaces
Waterproof Rating	IPX8



## Infant Phototherapy Unit

Every Year, Over 6 MILLION BABIES with severe jaundice are not receiving adequate treatment.

**YET, JAUNDICE IS EASY TO TREAT**  
If detected early enough, it simply requires shining intense blue light onto a baby's skin

# Infant Phototherapy Unit



◆ Model: KS-IP48 (BT)

Newborn babies require the highest level of care and jaundice therapy

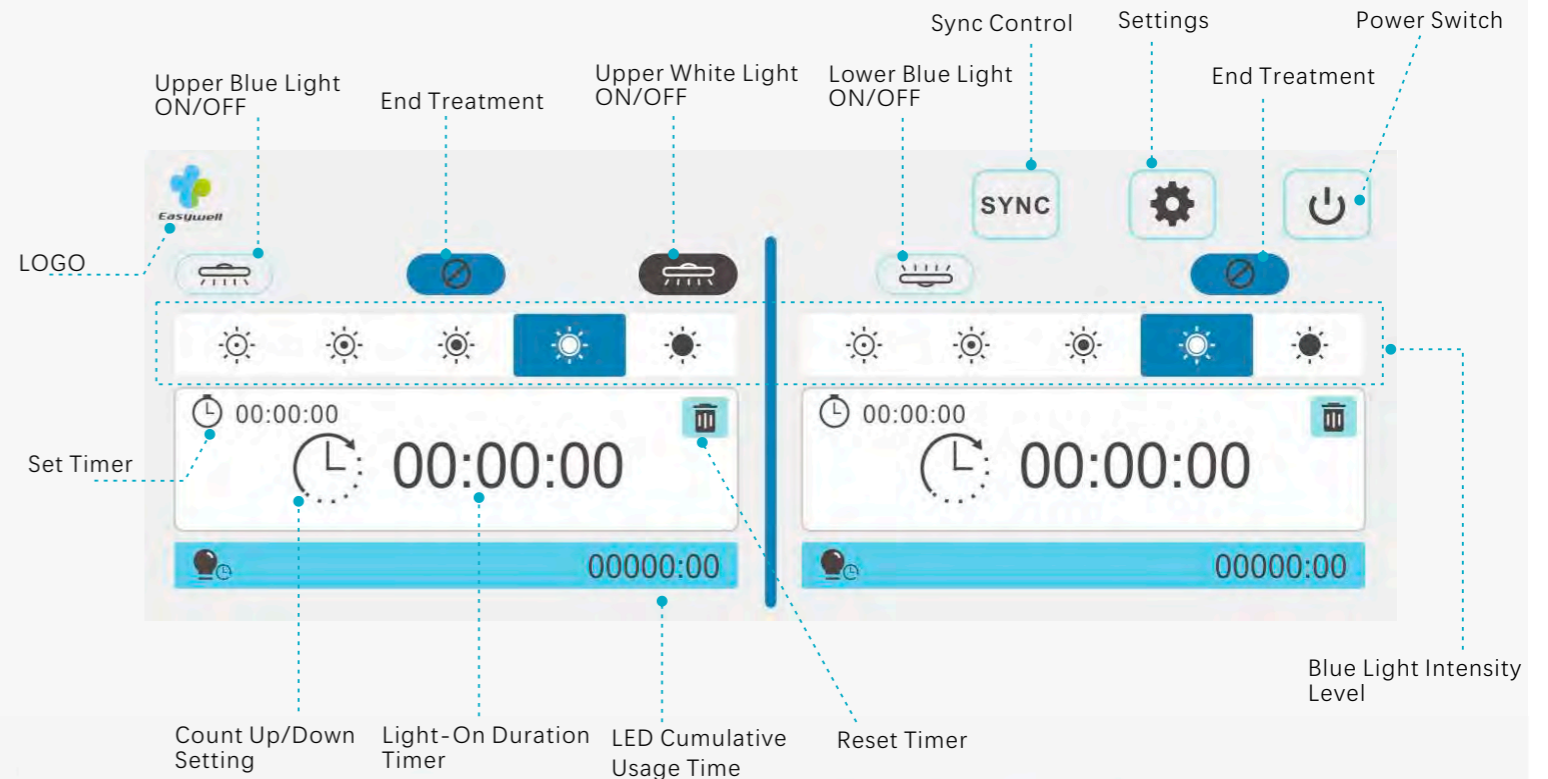
- ◆ Featuring the latest designs, it provides exceptional care for newborns, compact form fits in an infant cart or mother's bed.
- ◆ Ideal for use in hospitals, clinic and maternal-neonatal wards, our cot is designed to cater to the demanding needs of whole body range of jaundice therapy.
- ◆ Configured with 7 inch touch screen, advanced and comprehensive control systems, make the operation more friendly and conveniently.
- ◆ Superior phototherapy with even and abroad irradiance distribution.
- ◆ Highly effective therapy based on standard of American Academy of Pediatrics (AAP)
- ◆ Convenient maintenance, ultra long LED lifespan, and no need to replace light tubes

## Optional Configuration

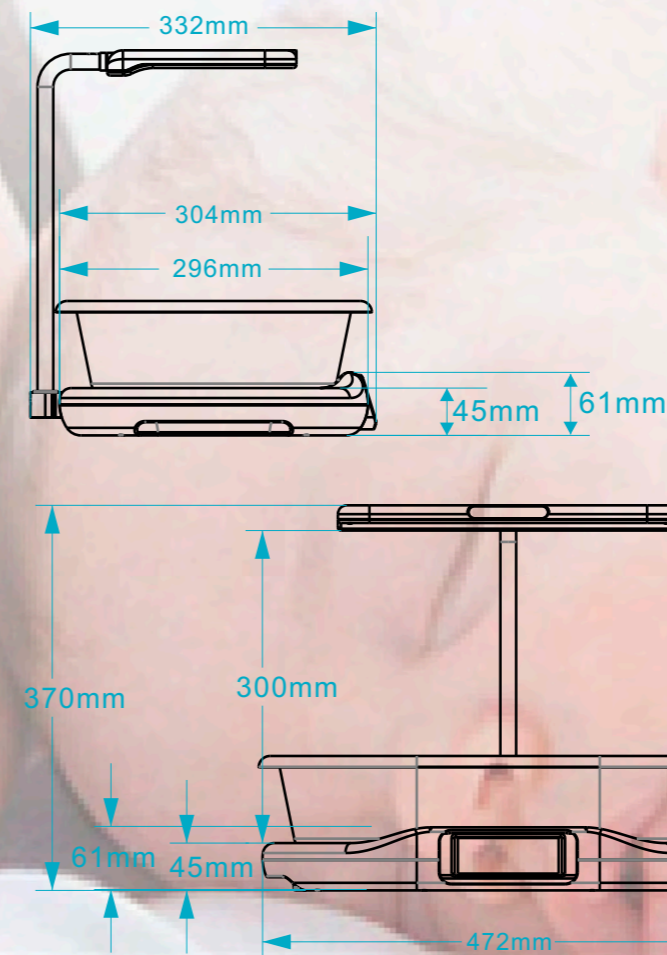
1. Transparent gel mattress
2. Stainless steel trolley
3. five inch wireless touch control screen



5 inch wireless touch control screen



- Low power consumption with efficient lighting, more durable quality
- High intensity blue LED with wavelength ranging between 455 nm to 465 nm is more effective
- Light Dimming Facility for the irradiance intensity
- Digital timer for therapy time control



## ◆ Trolley Model: BC-01



# Infant Phototherapy Unit

◆ Model: KS-IP48

The phototherapy light houses the 24 blue lights that provide therapy as well as 24 white lights used for observation ,replenish water ,change washingor soften the blue light.

4-anti-slip rubber for attaching on the incubators



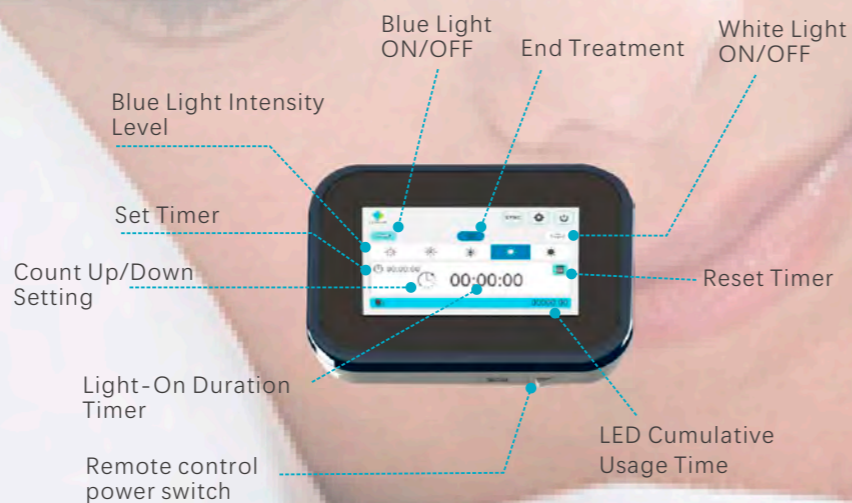
Allows use above an incubator,radiant warmer, crib, or bassinet.

## option

Power supply with backup battery - In case of power failure, the backup battery can continuously provide working power.



model:FM01B

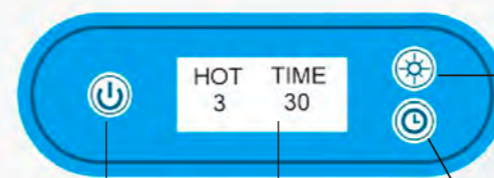


option:5 inch wireless touch control screen



# Infant Phototherapy Unit

◆ Model: KS-LA-6P



On/off    LCD screen    Irridiance intensity    Timer

optional battery



It can also be used with many other medical devices such as Radiant warmer, Intensive care incubators. It is compatible with most of the baby bassinets.



## Headlight & Loupe & Video System

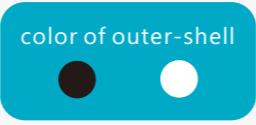
Medical headlights are commonly used in hospital outpatient clinics, dentistry, otolaryngology, general surgery, ophthalmology. Various examinations and surgeries such as plastic surgery and vascular surgery are convenient to carry. The excellent directional lighting effect provides great advantages for precision surgery and deep surgery. Convenient. Compared to traditional xenon or halogen lamps, high brightness LEDs serve as the light source. The medical headlamp has the advantages of small size, low power consumption, long service life, environmental protection, and durability. Advantages such as durability and sturdiness.

Registration Number: Yue Shan Xie Bei 20190013  
 Patent Number: ZL 2023 3 0852426.X

[www.easywellmedical.com](http://www.easywellmedical.com)

# LED headlight

◆ Model: KS-W02



KS-W series is one of the most popular generation of portable LED surgical headlight systems offering extreme brightness, premium quality uniform beams by adopting multi-coated optic lens

Variable intensity & light spot



Single battery/Black

L-shaped lamp head with several precision optical lens, the line of sight is coaxial with the direction of illumination, especially suitable for targeted or deep illumination such as otolaryngology, anorectal and gynecology



Dual battery/Black

Dual Lithium Polymer battery packs provide constant steady brightness and longevity to the headlight.



Single battery/White



Dual battery/White

- Rechargeable Lithium Polymer battery with LED screen display power indication, fast and easy recharging of battery



- Configured with Galilean loupes and Keplerian Prism, it can provide high clear images to users.

Model	KS-W02		
Light Intensity	10,000~60,000 Lux	LED life span	50,000 hours
Work distance	20~50cm	Capacity of battery	2000mAh per piece
Color Temperature	5500K-6500K	Charging time	1.8-2 hours
Diameter of Light Spot	Variable from D=50mm to D=100mm	Using time	> 2 hours
Light source	1x LED bulbs	Power	5W
Input Voltage	AC 100-240V (Charger) / Output: DC5V 700mA		

# LED headlight

◆ Model: KS-R01

color of outer-shell

KS-R01 is full aluminium housing lamphead with focus adjustable providing the homogeneous illumination, straight type optical path, concentrating type with no boundary and external light pollution. Multi-type coaxial installation can satisfy different demand of medical illumination.

- Straight concentrated headband mounted (standard)

Full digital brightness control and LED screen display offer obviously power volume condition and brightness step.



Dual battery/Black



Single battery/Black



- Coaxial concentrated headband mounted



- Mirror type



- Clip mounted for goggles or binocular loupes



Model	KS-R01
Light Intensity	10,000~60,000 Lux
Work distance	20~50cm
Color Temperature	6000K-7000K
Diameter of Light Spot	Variable from D=45mm to D=105mm
Light source	1x LED bulbs
LED life span	50,000 hours
Capacity of battery	2000mAh per piece
Charging time	1.8-2 hours
Using time	> 2 hours
Power	2W
Input Voltage	AC 100-240V (Charger) / Output: DC5V 700mA

Wearing binocular loupes and headlights improves visualization as well as working posture.



# LED headlight

◆ Model: KS-MC01

color of outer-shell

KS-MC01 , the new ultralight,smart and universal LED headlight. Full aluminium housing lamphead is more durable and protects the optics against dust and moisture. Precision multiple lens optical system consisting of three high-quality lens. Compact coaxial design ensures a completely shadow-free image and allows for excellent illumination. An absolutely bright light spot that is uniform from edge-to edge for the perfect illumination in all examination situations.

- Coaxial concentrated headband mounted (standard)



Single battery/White half hoop standard



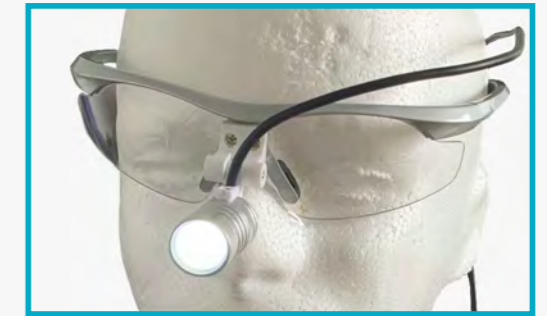
optional full hoop standard

Dual Lithium Polymer battery packs provide constant steady brightness and longevity to the headlight.

Dual battery/White



- Mirror type



- Clip mounted for goggles or binocular loupes



The micro headlight KS-MC01 is currently the lightest headlight and was designed as the perfect complement to the microline loupe.



Model	KS-MC01		
Light Intensity	7,000~45,000 Lux	LED life span	50,000 hours
Work distance	20~50cm	Capacity of battery	2000mAh per piece
Color Temperature	6000K-7000K	Charging time	1.8-2 hours
Diameter of Light Spot	D=55mm~135mm	Using time	> 2 hours
Light source	1x LED bulbs	Power	2W
Input Voltage	AC 100-240V (Charger) / Output: DC5V 700mA		

# LED headlight

## ◆ Model: KS-H2N

- Dual-head Coaxial concentrated headband mounted

- Reduce the shadows and maximizing intensity with Astral light



Dual battery/Black

KS-H1N,H2N is full aluminium housing lamphead with super high illumination intensity, direction and angle of the LED beam is almost adjustable. H2N(Astral light) reduce the shadows and maximizing intensity.

## ◆ Model: KS-H2N New



with 6X loup



## ◆ Model: KS-H1N

color of outer-shell

- Straight concentrated headband mounted (standard)

### half hoop standard Single battery/Black

- Clip mounted for goggles or binocular loupes



- Mirror type



Model	KS-H1N/KS-H2N		
Light Intensity	20,000~ 100,000 Lux	LED life span	50,000 hours
Work distance	20~50cm	Capacity of battery	2000mAh per piece
Color Temperature	5000K-6000K	Charging time	1.8-2 hours
Diameter of Light Spot	D=40mm~90mm	Using time	> 2 hours
Light source	1x LED bulbs	Power	5W
Input Voltage	AC 100-240V (Charger) / Output: DC5V 700mA		

# LED headlight

◆ Model: KS-D01

Flip-up Dental Composite Filter (standard)  
Prevents composite materials from curing



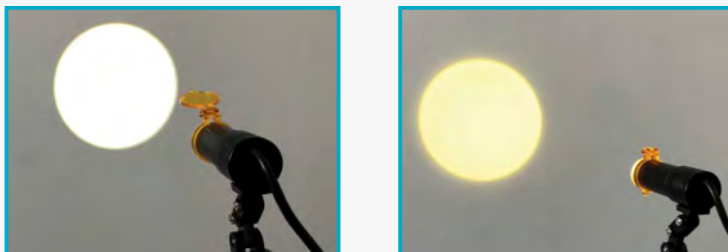
Clip for loupe

provides you with the complete solution to illuminate the oral cavity.

◆ Model: KS-D02



Optional fully hooded digital display battery



Clip for loupe



# Surgical optic fibler Headlight

◆ Model: KS-H8



The facular size of the headlight is adjustable from 6mm to 160mm.

The fiber headlight need to link with a fiber optic cable.

The surgical fiber headlight should link with a cold light source for illuminating.

It is common used in dental, ENT, and other surgical examination and operations.

● optional plastic operation handle



● optional optical fiber 2 in 1 plug into to Storze and Wolf port

Diameter 4mm, length 2m/3m long



● The endoscopy light source can provide light for doctors to operate.

# Binocular Loupe

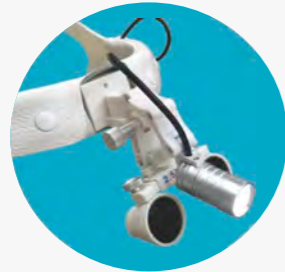
◆ Loupes with conjunctive hinge  
code:BL001

All our binocular loupe can be fitted with headlight and headbad.

● Galilean loupes offer a very light design, high depth of field and allow maximum magnification of approx. 4x.



M250 2.5X  
M350 3.5X



M250 2.5X  
M350 3.5X



M450  
2.5X-3.5X



M4X 4X

● Prismatic magnifying systems can offer a higher level of magnification (up to approx. 8x); however they restrict the field of view, reduce depth of field and are heavier than Galilean loupes



Cm4 4X black  
CM4 4X silver



Dm5 5X black  
DH5 5X silver



Dm6 6X black  
DH6 6X silver

Dm8 8X black

Working Distance : S=280mm-380mm, R=360-460mm, L=440-540mm, XL=500-600mm

◆ Headband Wearable Loupe:BL002

Clip-On Binocular Loupes can be used in conjunction with Headbands .



◆ Flip-up on the spectacles(code:BL003)

Loupes can be flipped up or flipped down for procedures . Through the loupes,combined with camera or clipped headlight



Clip on loupes



Clip on spectacle



Camera on loupes

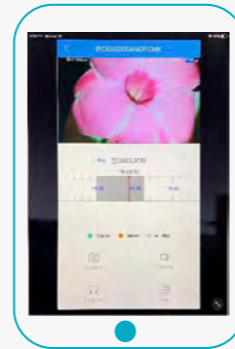


# Portable Medical Camera System

◆ Model: KS-FHD02

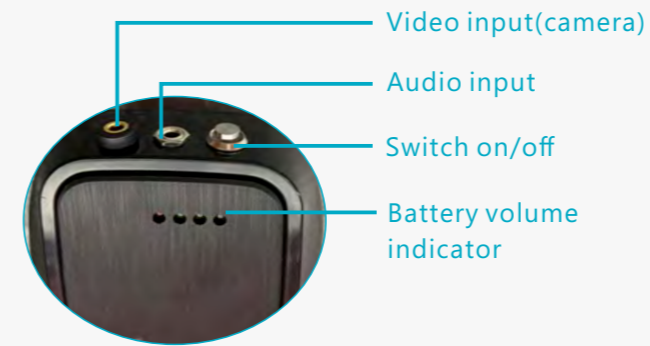
A new way to share dental/surgical information, document procedures, and ultimately improve patient care.

only 15g

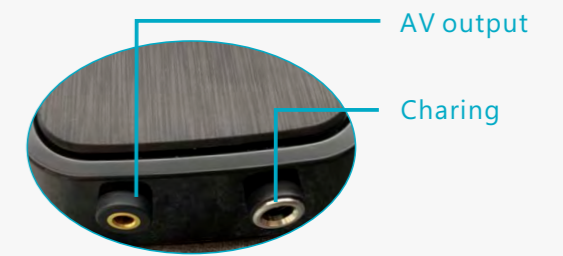


Model	KS-FHD02
Image sensor	1/3" SONY IMX323 CMOS
Resolution	1080P
Diameter of len	14mm
Effective pixel	2,000,000.00 pixel
Resolution (video)	1080P@30FPS H.265 720P@60FPS H.265
Exposure control	Auto
Gain	Auto
White balance control	Auto
Dimension of camera	15mm(W)x 30mm(L)

## The better assistance for operation video recording

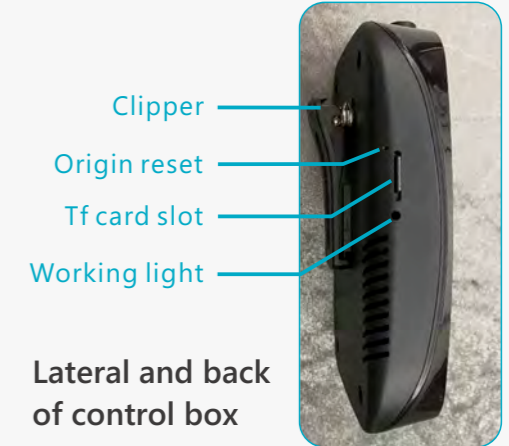


Up side of control box



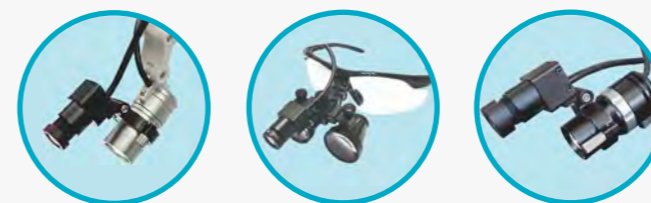
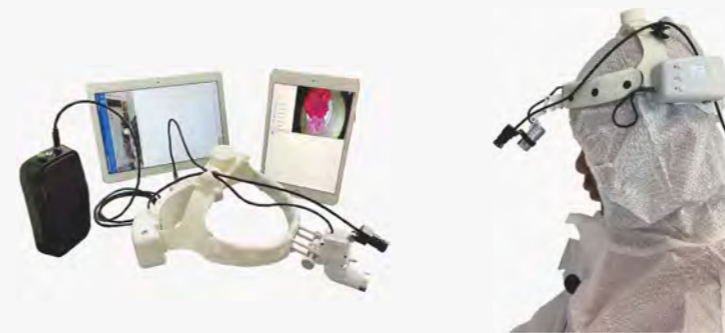
Down side of control box

## LED headlight and Camera systems KS-W02 (FHD02)

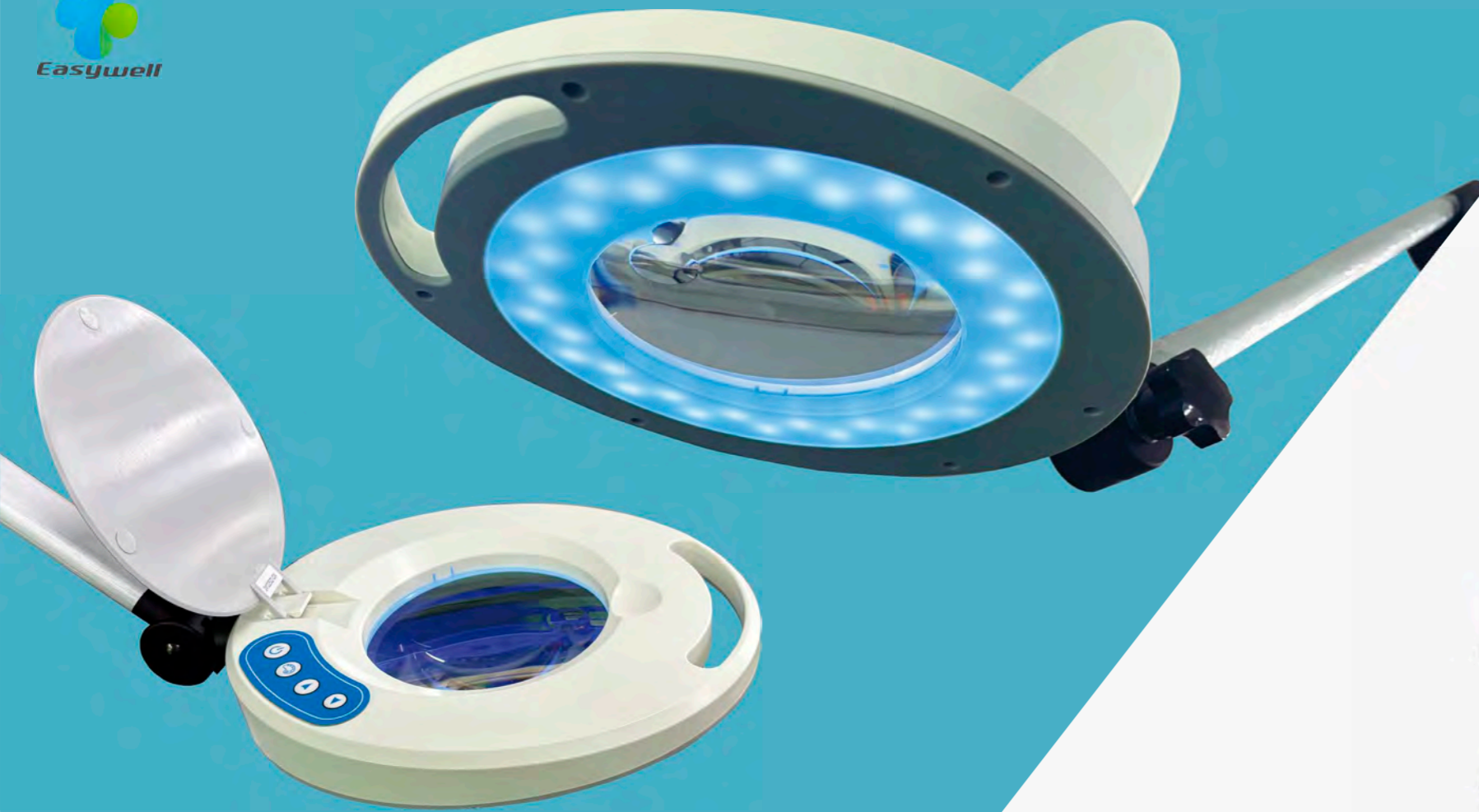


Lateral and back of control box

● The device is highly integrated with lighting and camera system.



Technical data of control box	
Resolution of recording	1920*1080 3000kbps/s or 1280* 720 1500kbps/s
Format of recording	AVI
WIFI	YES (connect with IOS,Android PHONE AND PC)
Storage	max 256GB TF card / PC
Capacity of battery	7.4v 2000mah
Recharging time of battery	2 hours
Work time of battery	> 4 hours
output ports	Video input, Audio input, AV output(transfer HDMI to monitor)
Dimension of box	140mm(L) x 80mm(W) x25mm (T)



◆ Model: KS-Q7U

7X LEDs white light with keypad control



8X LEDs UV exam light with light-touch control and visible screen

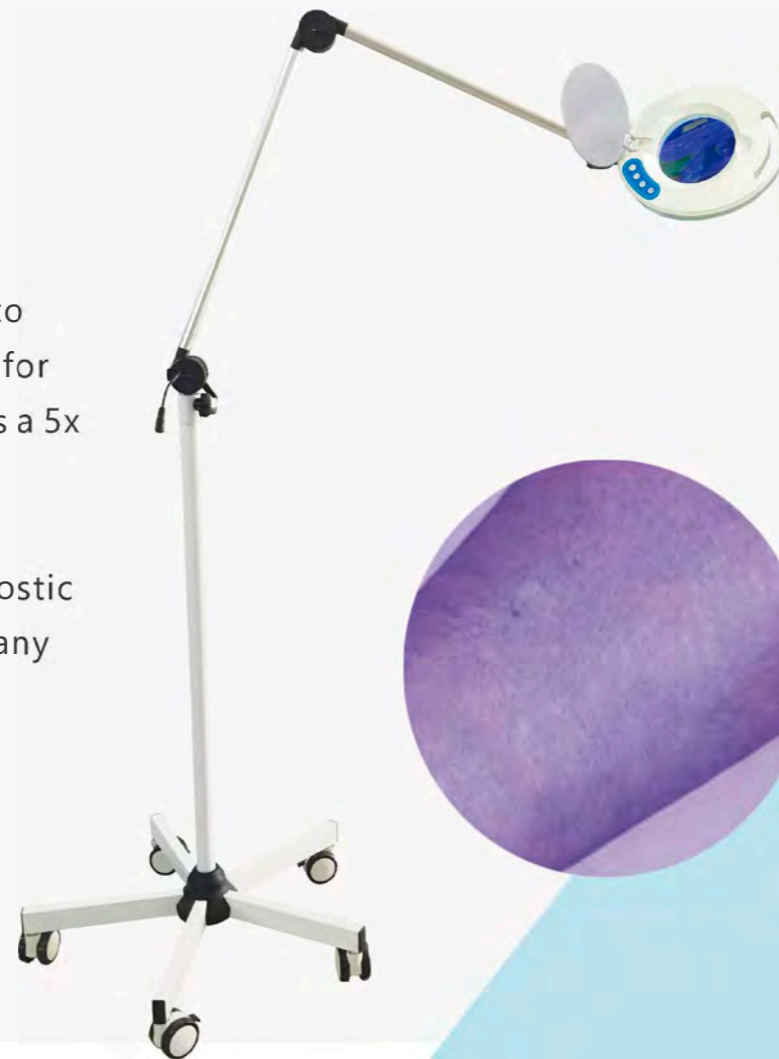


Under the Ultraviolet Lights, you can diagnose different skin conditions such as dry or oily areas, or excessive layers of dead skin, in which will show up under the violet light normally invisible to the naked eye.

# Wood Lamp

◆ Model: KS-1088U

Woods Skin Analyzer is a lamp made to examine and diagnose your skin type for proper facial treatment. This lamp has a 5x diopter and 10x diopter magnifying lens and uses UV light to diagnose skin conditions. It is a diagnostic tool used in dermatology to observe any subsequent fluoresce of the skin.



# LED UVA Lamp

◆ Model: KS-Q5U

color of outer-shell



UVA LED light curing has been widely used in dentistry, as well as in cosmetic nail enhancement, and can also be used to distinguish skin diseases such as vitiligo.



optional foot switcher

LED-UV light detects fluorescence in skin for clearer visibility of skin concerns and conditions not visible in everyday light. Following the color code provided will help with identifying the potential existence of unwanted pigmentation, poor desquamation, dehydration, congested pores and skin oiliness.



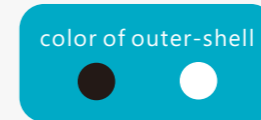
◆ Model: KS-Q5UVA

color of outer-shell



color of outer-shell

◆ Model: KS-UR01



# Wood Lamp

◆ Model: KS-CM2012S



No preheating required

The Hand Held Ultraviolet Woods Lamp is designed for exposing conditions that are not visible to the naked eye. The Woods light is used by numerous professions, Medical, Dermatology, Veterinary, Skin care, Law Enforcement, Military, Mineralogy and Gemology

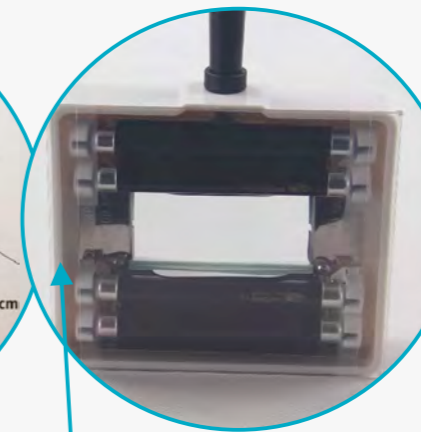
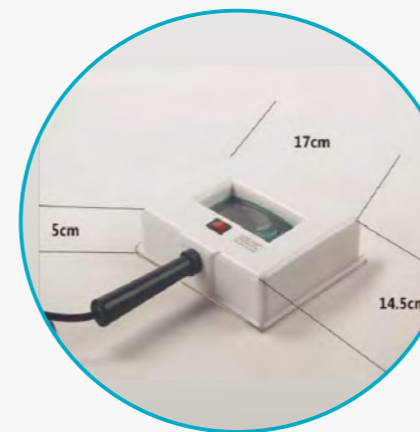
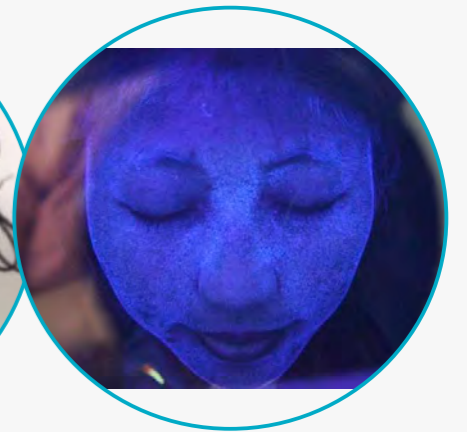
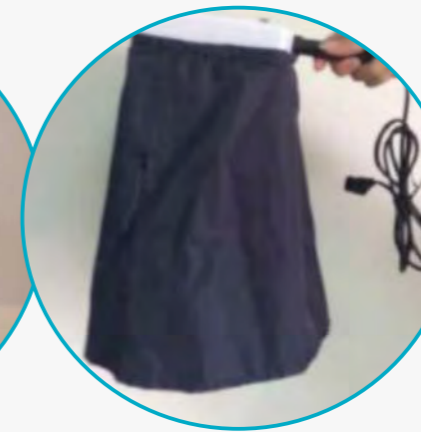
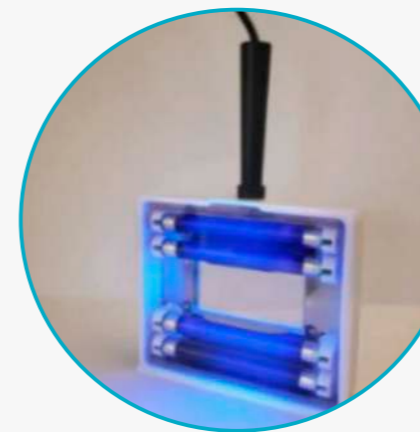


Aestheticians help analyze skin conditions with wood lamp. In a completely dark room, analyze the surface and depth of the skin. Ultraviolet light enables aestheticians to identify various skin diseases.



◆ Model: KS-WL16

When performing an inspection with a Woods light, the different conditions show up as various colors, helping the professional with the diagnoses or determination.



Plastic protective

Light block drape



## Multi-level brightness and color temperature adjustment



KS-1088 applies ergonomic perfection to support highly demanding visual tasks. With the latest LED's, innovative arm technology and a visual field designed for optimum performance, the KS-1088 illuminated magnifier combines high efficiency with ergonomic design.

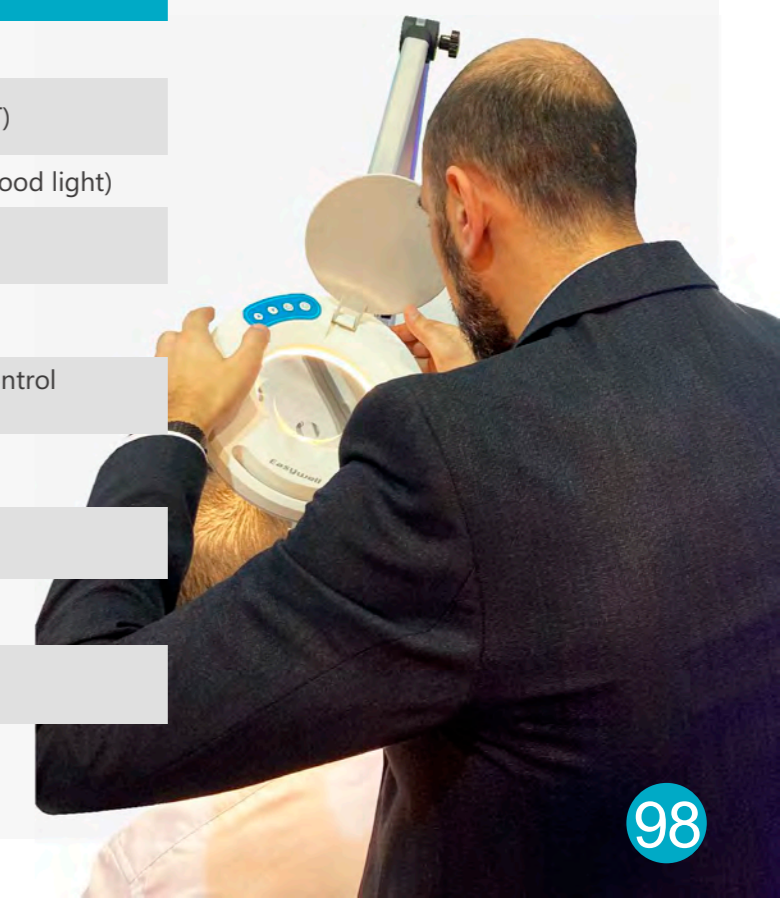
LED articulated arm luminaire with magnifying lens can be positioned as desired thanks to the aluminium spring arm.

## LED Magnifier Light

◆ Model: KS-1088



Technical Data of KS-1088	
Light Intensity	2160 lumens
Size of lamphead	260mm (L) X 230mm (W) X 29 mm(T)
Light source	36 LEDs , option: 395nm UV light (wood light)
LED life span	50,000 hours
Color Temperature	variable 3200K-6000K (standard)
Control system	Brightness(10steps)/Temperature control on the lamphead
Input Voltage	AC100-240V, 50/60Hz
Power consumption	12W
Magnifier	Combinated 5x and 10x
Diameter of magnifier len	127mm
mounted type	Ceiling, Mobile, Desk, Wall& Rail, option:Emergency battery





Lighting solution for the Highest demand  
Ideal for best managing the space at disposal

## LED Magnifier Light

◆ Model: KS-1088(02C)

Ceiling Rod Configuration		
Accessory Code	Length of ceiling rod	Height of Ceiling
cr001	1071mm	2.8-3.2 m
cr002	387mm	2.5 m
cr003	1387mm	3.5m
cr004	1887mm	4 m



# LED Magnifier Light

◆ Model: KS-1081D

Technical Data		
Model	KS-1081D	KS-1081M
Light Intensity	2400 lumens	1800 lumens
Size of lamphead	Diameter=235mm Thickness=50mm	Diameter=230x280mm (including handle) Thickness=35mm
Light source	120 LEDs (or fluorescent tube 1081A)	28 LEDs (or fluoresce nt tube 1081C or 365nm UV tube 1081U)
LED life span	50,000 hours	50,000 hours
Color Temperature	5500K-6500K (standard)	5500K-6500K (standard)
Control system	Switch on/off or option:dimmer	Switch on/off or option:dimmer
Input Voltage	AC 100-240V, 50/60Hz	AC 100-240V, 50/60Hz
Power consumption	24W	14W
Magnifier	5x (standard),8x and 10x	5x (standard),8x and 10x
Diameter of magnifier len	127mm	5.2X7 inch(132X180mm)



LED Magnifying Lamp(Round)

LED magnifier  
UV  
lamp(Rectangular)

Dermatology  
laboratory  
inspection  
beauticians



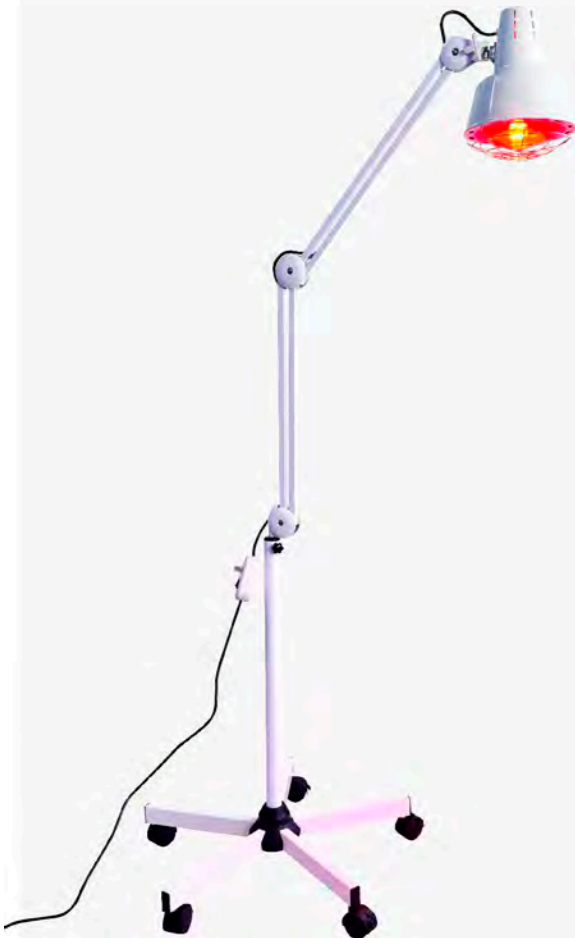
◆ Model: KS-1081M



Rail Fitting (01R)

# Infrared therapy Light

◆ Model: KS-1082B



Technical data:
Voltage: AC220V, 50/60Hz
Power: 275W
Temperature regulation: adjustable
Lamp holder : E27
Infrared wave length: 1300nm
Mounting: mobile,wall, table, rail



◆ Model: KS-IR275

The far-infrared physiotherapy lamp quickly generates heat after being energized, and radiates far-infrared rays that can reach deeper parts of the human body, which can expand local blood vessels, enhance blood circulation, improve tissue metabolism and nutritional status, enhance immune function, enhance phagocytic cell function and Vascular permeability is conducive to the absorption of inflammatory exudates and achieves the purpose of treatment. For arthritis, peri-arthritis, phlebitis, rheumatoid arthritis, acute mastitis, hypertension, low back pain, stomach pain, dysmenorrhea, scabies and swellings, lumps, wound healing, bone hyperplasia, mild wound infection, Epicondylitis, fibritis, joint sprains, etc.



Model:KS-IR150

Technical data:
Voltage: AC 220V, 50/60Hz
Power: 150W
Lamp bulb : R95
interface type: E27
Shell: 17x23x13.5cm



Model:KS-1082T

Technical data:
Voltage: AC 220V, 50/60Hz
Power: 150W
Lamp bulb : R95
interface type: E27
Shell: 17x10.5x18.3cm

# LED Medical X-Ray Viewer

## MST-4000 Series

As the purchase model of the world top 500 company and regular overseas tender winner, MST-4000 series LED X-ray film viewer use optimum quality materials, own the complete function and offer the affordable price.



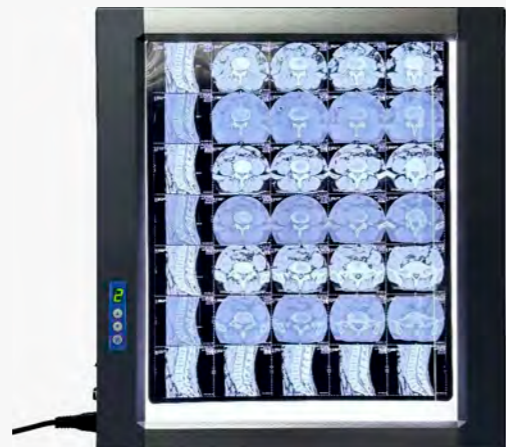
# Introduction of Production



1. The MST-4000 series X-ray film viewer consists of four components: light box panel, frame, light guide plate, viewing screen, back panel, and light source. It adopts a light guide plate, and the viewing screen is made of acrylic panels produced by Mitsubishi, Japan, featuring excellent uniformity, light transmittance, and color stability.
2. AC 100V~240V wide voltage input; utilizes direct-type side-lit technology with high-density LED arrangement, ensuring high brightness and uniformity. The compact structural design is aesthetically pleasing, with an overall thickness of 25 mm, making it easy to install and space-saving.
3. The LED light source offers long lifespan, instant illumination, high brightness, low power consumption, and energy efficiency. It provides uniform light distribution with no dark areas, no flicker, and minimal light decay. The stable color temperature ensures a brighter yet softer viewing screen.
4. Equipped with a programmable control circuit, it offers 7-level brightness adjustment, ranging from 300 cd/m<sup>2</sup> to 4000 cd/m<sup>2</sup>, fully meeting the reading and diagnostic needs of conventional analog films, digital hard-copy films, and mammography films of varying densities.
5. Based on the physiological characteristics of the human eye, the LED color temperature is limited to above 8000K, reducing glare and minimizing eye strain even during prolonged use.
6. Auto-sensing function: When a film is inserted, the corresponding light group activates automatically while other groups remain off; when the film is removed, the light group turns off automatically.
7. Depending on the model and specifications, it can display one, two, three, or four films individually or simultaneously. It can be wall-mounted or placed on a floor stand or mobile cart as needed.
8. It fully meets the reading and diagnostic requirements for conventional analog films, high-density digital X-ray films, and mammography films of different densities.

Model	Product Performance						
	Dimensions (mm)			Rated power (VA)	Screen luminance (cd/m <sup>2</sup> )	illumination	working voltage
	Physical dimensions	Screen dimensions	Deviation				
MST-4000I	475×520×25	361×440	±2	60	4500 ±20%	≥13000lx	100-240V ~ 50/60Hz
MST-4000II	832×520×25	716×440	±2	120	4500 ±20%	≥13000lx	
MST-4000III	1196×520×25	1080×440	±2	160	4500 ±20%	≥13000lx	
MST-4000IV	1560×520×25	1444×440	±2	200	4500 ±20%	≥13000lx	

# LED Medical X-Ray Viewer MST-4000 Series



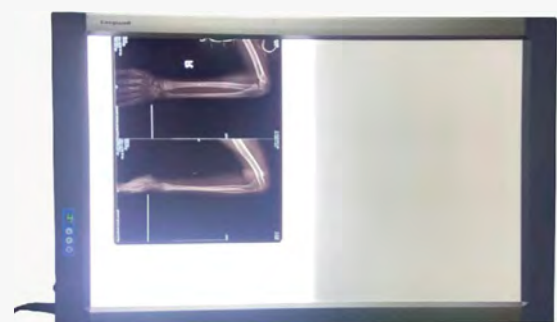
**Single Union**  
MST-4000I



**Triple Union**  
MST-4000III



**Quadruple Union**  
MST-4000IV



**Double Union**  
MST-4000II



# LED Medical X-Ray Viewer

MST-PH

The LED film viewer adopts the modern advanced LED light source technology and Back-side LED light. The light source can be lightened in a second, less attenuation of color temperature, no mercury, long life, low energy consumption etc. The device greatly improved the quality of medical film device and achieved more accurate diagnosis for medical film.

Provide you with more clearer imaging



# LED Visual chart light

MST-V series

In this series of products, the most advanced LED optical technology and multi-layer composite optical structure design are adopted. High-tech crafts are adopted in the screen and circuit materials, which ensure high luminance, even lighting, and clear display. The stroboflash in the traditional fluorescent lamp can be avoided, so it is suitable for the vision test under different conditions. The unique ultra-thin design is beautiful and durable.



# LED Reading Lamp

DESIGN AND AESTHETICS IN PERFECTION.

## ◆ Model: SL-D9-02A

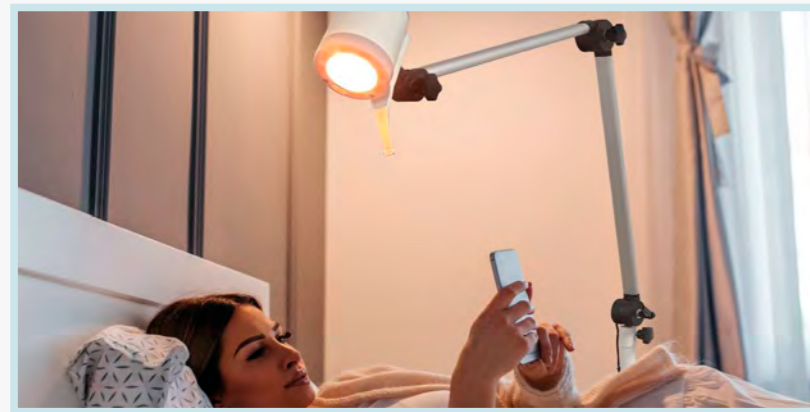
Lamp with double-joint articulated arm



Rail clamp



Wall clamp



Standard configuration



Install beside the bed

## ◆ Model: SL-D7



Switcher with dark room light

Rail clamp



Install with rail clamp

## ◆ Model: SL-D9

Lamp with flexible gooseneck arm



Model	SL-D9 /SL-D9 02A
Light Source	7X LEDS
Light Illumination	1200 lux @50cm 3000lux @30cm
Color Temperature	3200-5000K
Color Rendering Index (CRI)	>95
Control Sytem	On/Off, brightness adjustment on the lamphead(option: cord switch)
Diameter of Lamphead	89mm
Extention arm	Rigid pole with flexible gooseneck arm (SL-D9) Double-Joint articulated arm (SL-D9 02A)
Electric Supply	Plug Adaptor
Input	AC100-240
output	DC24 2A
Fulfillment of normative requirements	EN 60598-1,EN60598-2-25 and EN60601-1



wall mounted

Light source:	5 LEDS
Output :	9V,5W
Light illumination:	2000lux@50cm, 5000lux@30cm
Color temperature:	3800K
Diameter of lamphead:	70mm
Switch:	extended cord switch with dark indication light
Electrical mains:	100-240V,50-60Hz
Angle of lamphead rotation:	315 degree
Configuration:	Bedside installation(standard) Rail clamp, wall mounted, table clamp