

LED surgical shadowless light+central
camera+external display+hard disk



Illuminance (adjustable)	40,000–180,000Lux	30,000–160,000Lux
Number of light bulbs	80	48
Bulb Type	LED	LED
Average lifespan of light bulbs	≥80,000h	≥80,000h
Color temperature (adjustable)	3700K ~5000K	3700K ~5000K
Display index (adjustable)	85~98	85~98
Depth of Focus	50–180cm	50–180cm
Spot diameter	120–280mm	120–280mm
Brightness adjustment	1%–100%	1%–100%
Power consumption (W)	80	48
The surgeon's head heats up	< 1°C	< 1°C
supply voltage	AC100–240V 50/60HZ	AC100–240V 50/60HZ

Product features:

1. A true cold light source

★ Adopting a new type of LED cold light source, it is energy-saving, environmentally friendly, and has a long service life of over 80000 hours. The doctor's head temperature is less than 1 °C.

★ LED does not produce infrared and ultraviolet radiation, and the halogen-free shadowless lamp can cause temperature rise and tissue damage to the wound, accelerate postoperative wound healing, and has no radiation pollution.

★ LED color temperature is constant, the color temperature and color do not decay, soft and not dazzling, very close to natural sunlight.

★ Imported OSRAM LED beads are used.

2. Excellent shadowless effect

The lamp head adopts the most scientific curvature, with eight built-in zones, molded design, multi-point light source design, and flexible adjustment of the light spot, making the illumination of the light spot more uniform. When the surgical light is partially obstructed, it can also achieve a perfect shadowless effect.

★ Rotation radius of the lamp panel: $\geq 182\text{cm}$, the lamp head can be pulled down close to the vertical ground for convenient

illumination at various angles.

3. Excellent deep lighting

★ Adopting computer-aided modular design, multiple LED light columns focus on illumination, producing deep illumination of over 1200mm light columns, with a maximum central illumination of over 180000 lux, and providing a color adjustable temperature of 3700K-5000K close to natural sunlight, truly reflecting the color of human tissue and fully meeting various surgical lighting needs.

4. Advanced control system

★ Adopting LCD display button control, it can adjust power switch, illumination, color temperature, etc. to meet the requirements of medical staff for different patient surgical brightness.

★ Digital memory function, automatically remembers the appropriate lighting level, and does not require debugging when turned on again.

Multiple sets of multiple centralized control methods with the same power ensure that damage to a single LED does not affect surgical lighting requirements.

5. Universal suspension system

The rotating arm is made of a new alloy material.

The balance system adopts imported arm spring components, which are lightweight, easy to operate, precise in positioning, and can

provide the maximum adjustment range.

Equipped with fatigue correction device and positioning tactile adjustment device, it is easy to position and adjust after long-term use.

6. Modern laminar flow lamp head

★ Circular ultra-thin design, with the thickest part not exceeding 10CM, can achieve excellent laminar flow effect.

The lampshade shell is made of imported aluminum material.

7. Camera system

SDI mid camera is a camera designed specifically for capturing clinical processes. Adopting high-quality sensors, it can be used in various environments such as ordinary lighting and shadowless lamps, with clear images and high restoration. Supports panel and OSD menu, with simple adjustment functions. Mid mounted camera with operation buttons and wireless remote control.

- a. Up to 4.35 million pixels per line scanning 1/2.8 "CMOS;**
- b. 10x optical zoom * 12x digital zoom;**
- c. 3G-SD output; Network Output**
- d. The maximum resolution can reach 1920X1080@60 ;**
- e. Support switching between multiple scene modes;**
- f. Support screen freezing function;**
- g. Support multiple control modes such as button panel, OSD**


menu, RS485, etc;

h. Supports strong light suppression and flicker prevention, providing high-quality images with clear, realistic colors, and rich details in shadowless environments;

i. The 3G-SDI output of MCX interface is sturdy and reliable;

j. Support medical alcohol disinfection.

8. Hard disk recorder

	Audio and video input	Resolution: 1920 × 1080/60Hz
	Video encoding and decoding parameters	Video resolution: 1920 × 1080
	hard drive	A 1TB (1000G) hard drive
	External Interface	USB interface X2 One RJ-45 network interface HDMI output, VGA output

9、 External monitor



Configuration List

1、 lamp head, dimming system	1only
2、 lamp head, dimming system	1only
3、 ARM	2cover
4、 Balancing arm	2cover
5、 Transformer assembly	2cover
6、 Central camera system	1cover
7、 2.4Inch screen	1individual
8、 dvr	1cover
9、 External monitor	1cover
10、 allen key	1cover
11、 Fixed plate	1piece
12、 Install fixing bolts, washers, and nuts	1cover
13、 Bracket, bracket cover	1cover
14、 Fixed seat	1only