YTLED700 / 500 Surgical shadowless lamp (built-in camera)

Main technical parameters of LED series		
specifications and models	YTLED700	YT LED 500
Shance (adjustable) Lux	40000-180000 (adjustable)	40000-160000 (adjustable)
Number of lamp beads	80 Of	48 Of the
Average life span of the lamp beads	≥80, 000h	≥80, 000h
Color temperature (adjustable)	3500K ～5000K	3500K ～5000K
Display index (adjustable)	85～98	85～98
depth of focus	≥1200m m	≥1200m m
working radius (mm)	600-1800	600-1800
spot diameter	160-280mm (adjustable)	160-280mm (adjustable)

brightness control	1%-100%	1%-100%
irradiance	6w/m²	6w/m²
UV irradiance	0.3w/m²	0.3w/m²
supply voltage	AC100-240V 50/60HZ	AC100-240V 50/60HZ
Optimal mounting height (mm)	2600-3000	2600-3000

★ **Enterprise through ISO13485; ISO9001; EU CE; national electrical safety and electromagnetic compatibility dual certification; AAA credit enterprise; high-tech enterprise.**

Product features:

1. Real cold light source

★ The use of new LED cold light source, energy saving, environmental protection and ultra-long service life up to more than 80,000 hours.

★ The LED color is gentle and not dazzling, and it is close to the natural light.

2. Excellent shadowless effect

★ The lamp head adopts scientific radian, mold, multi-point light source design. The light spot adjustment is flexible, so that the light spot illumination is more uniform. When the surgical lamp is partially blocked, it can also achieve perfect shadowless effect.

★ The lamp can be adjusted to the surgical angle.

3. Excellent depth lighting

★ Computer-aided modular design, multiple LED light column focus irradiation, and provide close to the 3500K-5000K natural light adjustable color temperature, to meet the needs of all kinds of surgical lighting.

★ With the endoscopic surgery mode

4. Advanced control system

★ Using LCD display push-button control, power supply, cavity mirror and other basic adjustment, to meet the requirements of medical staff for different patients surgery brightness.

★ Digital memory function, automatic memory suitable lighting degree, open again without debugging.

5. Multi-direction suspension system

★ Rotary arm, using 50＊70 standard rectangular tube shape is safer and more beautiful; the carbon brush access port of rotary arm is formed with ABS mold, no leakage screw fixed, more harmonious and beautiful.

The balance system uses high quality spring arm components, light structure, easy to control, accurate positioning, can provide the maximum adjustment range.

The lampshade case is made of ABS, and the handle in the lamp head can be removed for easy adjustment and disinfection.

Description of the technical parameters of the camera system

Function: Switch between frame and frame accumulation day and night

Eliminate the flicker, the white balance

Wide dynamic backlight compensation

Strong-light inhibition of the 3 D NR

Privacy shading, mirror image function

The picture freeze, dynamic detection

AF:

Electronic shake-proof, fog transmission function

product features:

1. High quality 1080P (1920 * 1080) HD image quality

2. 1 / 3 " CMOS Sensor, line-by-line scan, effective at about 2.3 million pixels

3. High-sensitivity mode- - - -0.2lux

4. Powerful zoom function: 10 x optical zoom, 12 x digital zoom, zoom up to 120 x

5. Image output signal: LVDS, (optional SDI or AHD)

6. Main chip temperature display, ID display, and multiplier display

7. Communication protocol supporting remote control: SONY-VISCA PELCO-D

camera	
sensor	1 / 3° Progressive CMOS (~ 2.3 MP)
scanning system	16:9 Line by line scan
synchronous system	inter-sync
Video pixels	1080（P）
horizontal resolution	1000TVL
minimal illumination	0.2 Lux (day).0.005 Lux (DSS On)
camera lens	
focal distance	4.7-47mm (10 x optical zoom.12 x digital zoom)
f-number	F1.6-F3.0
horizontal view angle	60.9°-6.4° （Wide-Tele）

Minimum visual distance	30cm
Change the speed	Adjustable (0-7)
image output	
The HD-LVDS signal output	1920X1080P.50.60.25.30fps 1920X1080P 50.60fps 1280 × 720P50.60fps
	1TU-R BT.1120）（YcbCr4:2:2 16bits）
CVBS signal output	Simulated composite video (1V ± 0.2 Vp-p) NTSC / PAL
function	
camera ID	0-255 (ID display: Off / On)
User title / zoom display / temperature display	Turn off / turn on
Optic circle mode	Automatic / manual (0-17)
Electronic shutter speed	1 / 25 (1 / 30) seconds to 1 / 30000 seconds. Frame Accumulation (off-1 / 1 Seconds)
automatic gain	Adjustable (0-20)
Eliminate flashing	Turn off / turn on
white balance	Automatic / automatic tracking white balance / manual / remote control automatic
Day and night switch	Automatic (ICR) / color / white / external signal trigger
Backlight compensation	Turn off / turn on
Electronic anti-shake	Turn off / turn on
Fog through function	Off / On (high / medium / low)
Wide Dynamic	Off / On (0-4S-adjustable)
Automatic exposure area	Area Display: Off / On (Area Setable)
Strong light inhibition	Off / On (level: 0-20,8 colors)
Privacy cover	Off / on, 1-8 shaded area optional, 8 shaded area color optional
3D digital noise reduction	Closed / low / medium / high
Color level	Adjustable (0-20)
acuity	Adjustable (0-20)
The picture frozen	Turn off / turn on
Digital special effects	Close / mirror
Dynamic detection	Off / track / monitor, sensitivity: 0-20
Gamma correction	Low / default / medium / high
language	In English / Simplified Chinese
Control interface	
RS-485	The PELCO-D / SONY-VISCA protocol
	8bits data 1stop bit no parity 2400-115200bps
Conventional parameters	
Working humidity	-20℃-60℃

source	DC 7V-15V
power dissipation	MAX 5W
Dimensions (width * height * depth)	43.6*45 5*67mt
weight	About 150g

Note: Customer optional scheme

1，RJ 45 network version output scheme.{Camera to output images using a network signal}

2， Digital SDI version of the output scheme.{Camera using SDI coaxis output images}

3, both schemes can be equipped with auxiliary display {4.3 inch}, equipped with camera remote control, equipped with high-definition recording machine.

The Product Configuration List:

order number	name		quantity	remarks
1	tree chest	Base assembly	One	
2		balance arm	700□	(1) A	
			500□	(1) A	
3		Dust cover (including base support and screws)	One	
4		Install the screw bag	1 Package	
5		toolkit	1 Package	
6		instructions	A	
7		container loading list	A	
8		camera	A set	
9		CD writer	A set	
10		display screen	A set	
11		The SDI / 485 line	A set	
12	paper chest	Light head assembly	700□	(1) Set	contains a small display screen
			500□	(1) Set	
13		Disinfection handle	Four	Two per lamp head
14	peaceful dress tray	Up up and down□□	One	

Note: The installation plate is provided according to the customer requirements.