## **Specifications: L5**



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## **Surgical Light**

## L5



Physical Characteristics		Resolution	480*272
Lamp panel		Audio indication	
Size	660mm*600mm*45mm	Speaker	Buzzer; turned on when touching the
Weight	Mother light panel: 13kg (including the elbow assembly)	Spring arm	buttons on the touch screen
	Son light panel: 13kg (including the elbow assembly)	Onda Space	Bearing capacity: 8~16kg/15~32kg/20~40kg
Cantilever			Angle: ±38°
Size	1170mm/1045mm/899.5mm/739.5mm		PIN of conductive slip ring: 0/3/5/7
Flange		AC2000	Bearing capacity: 1.5~3.5kg/3.5~7kg/3~6kg/7~12kg/8~13
Size	310mm*256mm/400mm/800mm/(250 mm+120mm+120mm)		kg/9~15kg/ 12~18kg/13.5~21kg Angle: up 45°, down 50°
Elbow assembly			PIN of conductive slip ring: 0/3/5/7/9
Size	630mm*513mm (when the relative rotation angle is 0°)	AC 77	Bearing capacity: 1-2.5kg/2.5- 4.5kg/4.5~7.5kg/7.5~9kg/9~11kg/11~1
Handle			3kg Angle: up 45°, down 50°
Size	131mm*131mm*175mm		PIN of conductive slip ring: 0/3
Central control camera		AC LCH	Bearing capacity: 95~160Nm,
Size	131mm*131mm*179.5mm		95~176Nm
Standalone camera			Angle: up 45°, down 45°
Size	197.8mm×278.6mm×165.8mm		PIN of conductive slip ring: 0/3/5/7
Rotation angle	166°±5°	<b>Operation Environm</b>	ent
Single display support		Temperature	5~40°C
Size	695mm×535mm (excluding the handle)	Relative humidity	0%~96%
Rotation angle	60°±5°	Atmospheric pressure	70~106kPa
Dual display support		Power Specifications	
Size	1622mm×685mm (excluding the	Input voltage	100-240 VAC
	handle)	Input frequency	50/60Hz
Rotation angle	60°±5°	Input current	Surgical light: Max. 3.0A
Control panel			Standalone camera: 0.2~0.1A
Dimension	140mm*127mm*40.8mm		Central control camera: 0.6A
Touch screen		Maximum load of	2500W
Туре	4.3" LED-backlit resistive TFT touch screen	MULTIPLE SOCKET- OUTLET	



			F00/ 1100/
Protective tube	φ5×20mm 50T-100H/10A 250V		50%±18%
Illumination			Deep cavity: 100%±18%
(All the test distance is one	meter from the lamp panel.)	Shadow dilution (with shadow management	Mother light: Single cover plate: 100%±18%
Led number	Mother light: 36 leds	function)	Double cover plates: 65%±18%
	Son light: 30 leds	,	Deep cavity and single cover plate:
Central illumination (Ec)	Mother light:		95%±18%
	Normal mode: 40,000~120,000lx (10 levels adjustable)		Deep cavity and double cover plate: 60%±18%
	Bright mode: 120,000~160,000lx (10		Deep cavity: 100%±18%
	levels adjustable) Endoscopy mode: 0~8500lx		Son light:
	Son light:		Single cover plate: 100%±18%
	Normal mode: 40,000~100,000lx (10		Double cover plates: 65%±18%
	levels adjustable) Bright mode: 100,000~130,000lx (10		Deep cavity and single cover plate: 95%±18%
	levels adjustable) Endoscopy mode: 0~8500lx		Deep cavity and double cover plate: 60%±18%
latelline at weeds			Deep cavity: 100%±18%
Intelligent mode	When moving up and down by±250mm, the central illuminance	Handle attachment	Force:
	remains at 50000 lux±18000 lux	and detachment	Maximum: ≤10N
Light field diameter	180~300mm (10 levels adjustable)		Unintended detachment: ≤100N
(d10)	Accuracy: ±23%		Torque:
Spot distribution	≥50%		Maximum: ≤1N·M
(d50/d10) Color temperature	4350±15%		unintended detachment: ≤5N·M or require three or more 360° rotations
(Tc)		Vertical movement force	≤55N
Beam depth	1250±50mm (20%)	Acting force of light	≤25N
Color rendering index (Ra)	98±8%	panel rotating shaft	
Irradiance	Mother light:	Illuminance control UV-irradiance	Turn the handle clockwise to increase the illuminance
	Ee: ≤470W/m2 (normal mode), ≤530W/m2 (bright mode)		Turn the handle counterclockwise to decrease the illuminance
	Ee:Ec: ≤3.55mW/(m2·lx)		
	Son light:		≤5.5W/M <sup>2</sup> (wavelengths below 400nm)
	Ee: ≤440W/m2 (normal mode), ≤450W/m2 (bright mode)	Camera	
		Pixels	2.13MP
	Ee:Ec: ≤3.55mW/(m2·lx)	Lens	F=4.3~129mm
Shadow dilution (without shadow management function)	Mother light: Single cover plate: 80%±18%		f=1.6~4.7
	Double cover plates: 55%±18%		Equipped with a bright lens having 30x optical zoom and F1.6 iris
	Deep cavity and single cover plate: 75%±18%	Zoom	×120 (30x optical zoom × 12x digital zoom)
	Deep cavity and double cover plate: 50%±18%	Recommended	100~100000lux
	Deep cavity: 100%±18%	illuminance	
	Son light:	SNR	>50
	Single cover plate: 95%±18%	Shutter speed	1/1s~1/10,000s, 22 steps
	Double cover plates: 55%±18%	Output image signal	1080p/59.94, 1080p/50, 1080p/29.97,
	Deep cavity and single cover plate: 90%±18%		1080p/25, 1080i/59.94, 1080i/50/720p/59.94, 720p/50,
	Deep cavity and double cover plate:		720p/29.97, 720p/25



Power source	6.0~12.0V DC	Upper elbow rotates around spring arm (without limit, in X-		
Image sensor	1/2.8" Exmor R CMOS	axis direction)		
Rotation angle and driving force		Rotation angle	>360°	
Spring arm moving up and down		Driving force	<25N	
Rotation angle	Upper: 45°±5°	Lower elbow rotates around upper elbow (in Y-axis direction)		
0	Lower: 50°±5°	Rotation angle	<360°	
Driving force	<45N	Driving force	<25N	
Upper elbow rotates around spring arm (with limit, in X-axis		Light panel rotates around lower elbow (in Z-axis direction)		
direction)		Rotation angle	180° (±5°)	
Rotation angle	<360°	Driving force	<25N	
Driving force	<25N			
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