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° | Operation Environm | 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 ² (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 | | | |
| | | *Notice: Specifications subject to changes without prior | | |

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