

OPERATING LAMP Model: LD20.52 Without Monitor (With Camera)



Technical Specifications

Lamp Features	: LED Lamp
Arm Joint Type	: Spring Type Joint Arms
Classification	: Class 1 (MDD 93/42 EEC)
Product Documents	: CE
Standards	: EN 60601-1, EN 60601-2-41

Material Specifications

Lamp Head Material	: Static Painted (RAL 9002) Aluminum / Polycarbonate
Joint Handle Material	: Static Painted (RAL 9002) Aluminium
Sterile Handle Material	: Plastic (ABS + PC)

Recommendation

- The handle should be sterilized at 134 °C between 3,5-5 minutes and at 121°C during 10 minutes



Monitor Specifications	19" Monitor	24" Monitor
LCD Panel	Active Matrix TFT LCD	Active Matrix TFT LCD
Screen size	19"	24"
Resolution	1280 x 1024	1920 x 1200
Display ratio	05:04	16:10
Angle of vision	170°	178°
Response Time	14 ms	14 ms

Camera Specifications

Tamron full HD Analog Camera
1/2.8 type CMOS sensor
Full HD z1080p
10x optical zoom
Digital / Analog HD video output
AutoFocus

OPERATING LAMP

Description

Inspital LED operating lights are designed to meet all lighting and viewing requirements of operating theatres. Powerful LED technology with high-tech camera solution helps the surgeons to operate and view the surgery area clearly. Opera LED lights can be adapted in any size of operating theatres including large hybrid types with variety of models & combinations.

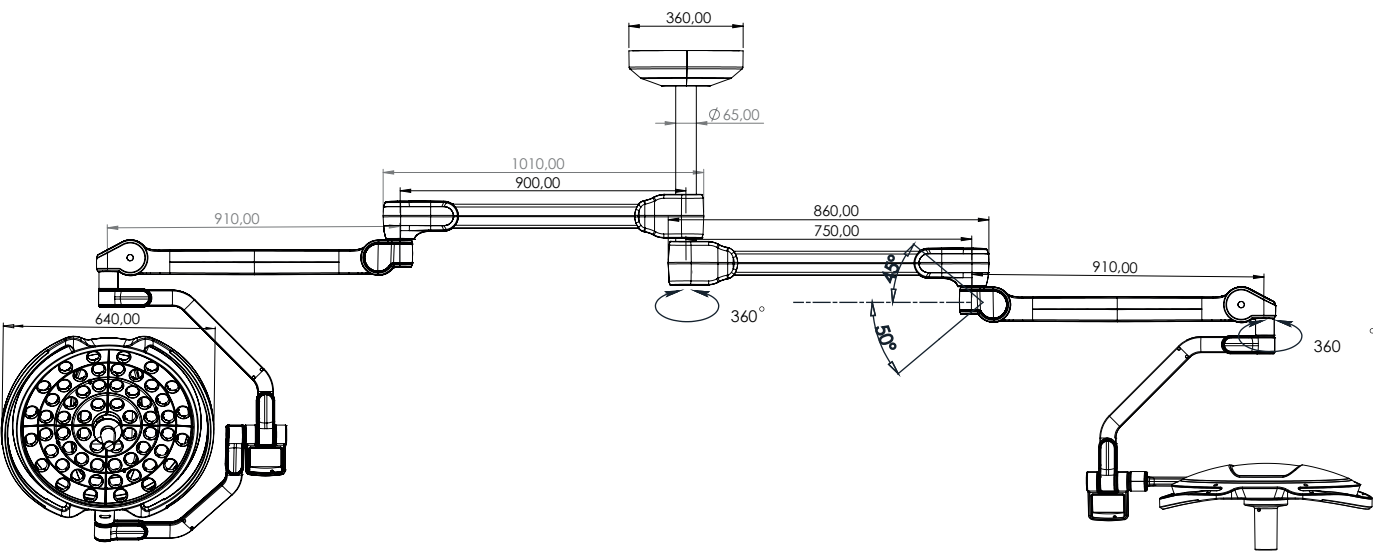
Feature

- 60 LED modules of the INSPITAL operating lights can be replaced individually
- INSPITAL design and replaced specially to get rid of shadows in the surgical room
- The doctors can discriminate the true colour of the system with INSPITAL operating lamps
- The lifespan of the operating lights is very long because of LED technology
- Because of the LED technology of the system, No harmful materials are produced, so lamps have a good relationship with our health
- Environmental friendly (No harmful UV rays)
- The severity of the lamps can be set it's max. value by one touch
- The colour of the lamps are in 3000K and 5000K can be change by 250 K sensitivity
- Lamps height from the operating table is in between 90mm - 110mm, where the lux of lamps can be menagable
- Height of the Lamp could be set automatically or manually
- Thanks to auto light feature system does not loose any lux with blocking 1 portion out of 4
- System automatically can close the 1/4 of the its lambs to protect doctors head from heat that comes out of the lambs
- With the special head design of the lamps, the medical flow stays laminar
- The operating time of the lamps can be tracked easily from the touchpad of the system
- Laser choice could be used to see the center operation lights which will take approxiamtely 20 seconds
- 19" and 24" sized monitors are can beon the line with according the customer's request
- Even with changing diameter of the loperating lamps the lux loss is not an option with auto-light feature
- Endoscopy feature
- Additional camera with its adjustable zoom feature
- External battery can be added

TECHNICAL SPECIFICATIONS

Diameter of lighthead	Ø670 mm
Illumination power, at 1 m	160.000 Lux
Color temperature	3000 K - 5000 K
Color rendering index, Ra CRI	96%
Dimming Range	% 1- 100
Light Field Diameter d10	24 - 36 cm/9.5"-14.2"
Light Field Diameter d50	13 - 28 cm/5.1"-11"
Number of LED modules	60
Lifetime of LED	>60.000 h
Degree of turbulence(standard value 37.5% max.)	29%
Depth of the volume of light L1 + L2 at 20%	130 cm /51.2"
Input Voltage	220-240 VAC / 50-60 Hz
Depth of Lightning (L1+L2) at 60%	76 cm/30"
Additional options	Touch Screen Pro Control Unit, Camera, Monitor, Battery Back Up
Camera	1080p Full HD Camera
Irradiance at nominal illuminance	200 W/m²

Technical Drawing



- Units of technical drawing are in “mm”

Camera

Description

Inspital camera system is an essential component that, plays huge role in ICU for doctor’s view and our camera specially design for that purpose.

Classifications

- Inspital’s camera in line with ISO 9001 for quality and ISO 14001 for environmental health.

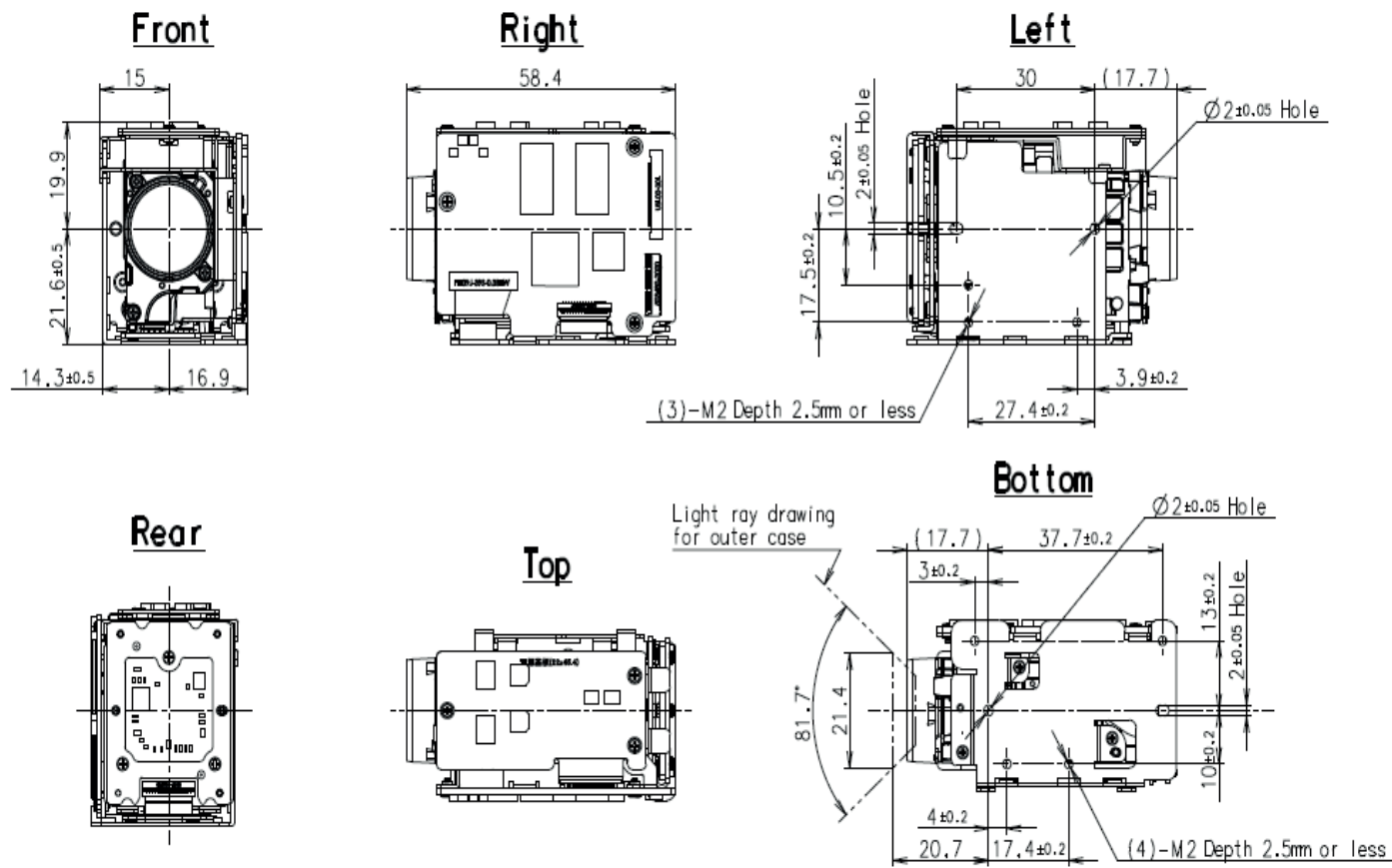
Features

- Embedded with Industry-First* Optical Vibration-Compensation
- Integration of Cutting Edge Technology “Optical Vibration-Compensation”
- Miniature-Size and Light-Weight Full HD Camera
- Advanced Features for Various Applications
- Integrated powerful 10×Zoom
- Zoom movement speed is 1.4 second
- Exposure compansion of the camera is +-12 dBA
- Horizontal viewing angle (wide) to (tele) 58.2 degree to 6.9 degrees
- Minimum object distance (wide) to (tele) 10 mm to 800 mm
- Model mounted with a wide-covergence lens and an attachement adaptor for an optional lens are optional and can be set according to customer needs.



Power requirement	8 V to 12 V DC
Power consumption	Approx.3W
Weight	-5°C to +60°C
Storage temperature	-40°C to +60°C
Operating humidity	20% to 80% (no condensation)
Weight	20% to 90% (no condensation)
Dimensions (W x H x D)	31.9 x 41.5 x 58.4mm
Weight	Approx.77g

Technical Drawing



• Units are in "mm"