SHANDONG LEWIN MEDICAL EQUIPMENT CO., LTD.

CE FDA ISO 9001 13485

Shandong LEWIN Medical Equipment Co., Ltd. is a professional medical equipment manufacturer with certificates, such as CE, FDA, ISO9001, ISO13485, IEC with EMC standards, FSC(Free Sales Certificate) and located in Qufu city of Shandong Province, China. We have R&D center in Shandong, Shanghai, Shenzhen to launch new products to meet the needs for hospital every year. We have more than 50,000 square meters workshop and R&D building, which is characterized by high quality products and advanced technology.

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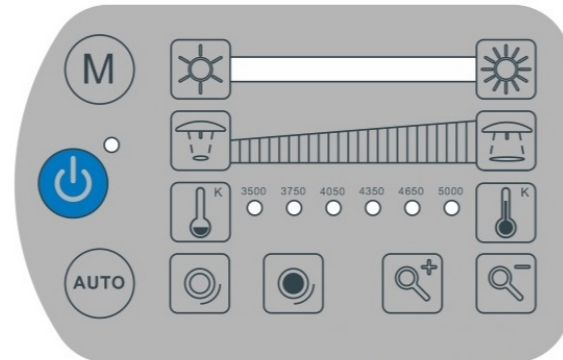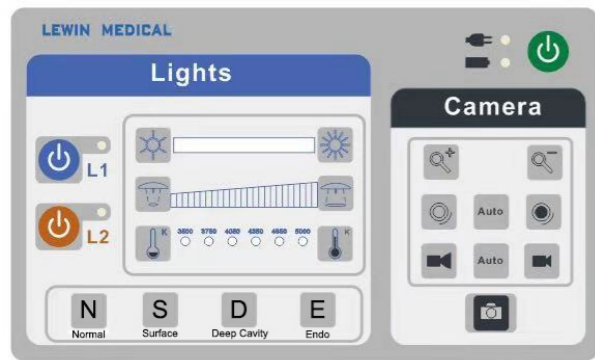

DOUBLE DOME CEILING OT LIGHT
CreLed 5700/ 5700

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STRIVING FOR EXCELLENCE

| SPECIFICATIONS | FEATURES | MODES | CAMERA | MONITOR & DVR |

CreLed 5700/ 5700

DOUBLE DOME CEILING O.T. LIGHT

OPTIONAL 26" MEDICAL GRADE FULL HD MONITOR

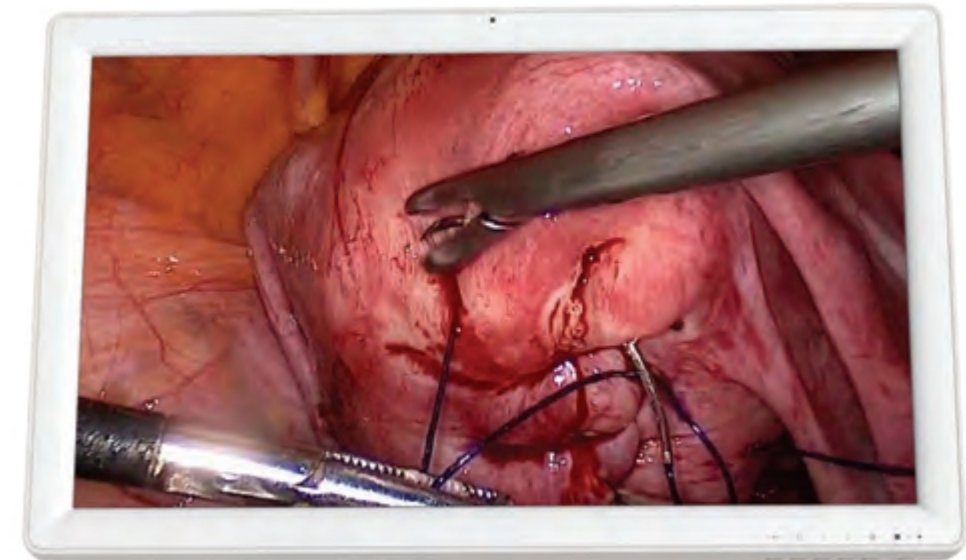| FEATURES	PARAMETERS
Panel Type	IPS
Backlight	LED
Size	26"
Active Display	941.2 X 529.4mm
Video Input	HD-SDI,VGA,COMPOSITE,S-VIDEO,RGBS,HDMI
Video Output	CVBS/HD-SDI
Power Requirements	100~240V AC, 50/63Hz

Wall controller and control panel on both dome offers

- ON/ OFF switch
- Intensity Control in 12 steps
- Electric Focus adjustment
- Six steps adjustable color temperature (3500-5000K)
- Modes (Normal, Surface, Deep Cavity & Endo)
- Camera features for future upgradation

OPTIONAL MEDICAL GRADE HD DIGITAL VIDEO RECORDER

- Adopted with GM8180 SOC chip, in-built with ARM9 CPU core with high speed, high integration, low power consumption, small but complete in function with strong flexibility, strong network transmission ability and stability.

- Enhanced H.264 algorithm (main profile), 4 times of normal H.264 algorithm compression, makes compression files as small as 60% of those by normal H.264, especially suitable for network transmission.

- Window and graphic interface are user friendly and easy to operate, with menu note function, can be controlled by mouse, front panel, remote controller etc. Preview in D1, option for still recording and video can be paused, supports motion detection, resumed and supports real-time listening.

- Support 4 channel video and audio playback real-time, support file fast playback, fast forward & play etc.

- 1 TB hard disk drive for storage of images and videos, supports USB 2.0 flash drive for backup, CD/DVD and HIS.

- Video files could be searched by video type, time, date etc. Auto screen saver, to save energy.

OPTIONAL MEDICAL GRADE FULL HD CAMERA

FEATURES	PARAMETERS
Image device	3 1/3-type Exmor CMOS View HAD CCD
Effective picture elements	2.3 million pixel
Video standard	HD 1080P/i (1920 x 1080)
Horizontal resolution	On/Off (On: 530 TV lines)
Lens	12 x optical zoom, f=4.1 mm (wide) to 73.8 mm (tele), F1.4 to F3.0
Digital zoom	20 x digital zoom
Viewing angle (H)	48.0º (wide) to 2.8º (tele)
Minimum object distance	290 mm (wide), 800 mm (tele)
Technology	Digital transmission simultaneously to monitor & DVR
Minimum illumination	1/60 s mode: 0.7 lx (typical) (F1.4, 50IRE) at 11 x 1/4 s mode: 0.07 lx (typical) (F1.4, 50IRE) at 11x
S/N ratio	More than 50 dB (weight ON)
Electronic shutter	1/ 2 -1/10,000s
AE control	Auto, Manual, Priority mode (shutter priority & iris priority), Bright, EV compensation, Backlight compensation, Slow AE
Color Reproduction	Vivid (1.43 dEab)
Video norm	PAL
Privacy zone masking	On/Off (8 masks per view/24 masks presets in the entire viewing range when integrated into a PTZ camera - 14 colors, mosaic)
Character generator	Mode display/Multi-line OSD (OSD has priority over Mode display)
White balance	Auto
Focusing system	Auto (Sensitivity: normal, low), One-push AF, Manual, Infinity, Interval AF, Zoom Trigger AF
Picture effects	e-Flip, Nega Art, Black & White, Mirror Image
Zoom switch	TELE, WIDE
Video output	VBS: 1.0 Vp-p (sync negative), Y/C, component for analog Y/Pb/Pr, component for digital Y/Cb/Cr through LVDS
Signal format	SMPTE 274/ SMPTE 296
Storage temperature	-20 to 60 ºC (-4 to 140 ºF)
Operating temperature	0 to 50 ºC (32 to 122 ºF)
Power requirements	6 to 12 V DC
Power consumption	2.6 W (motors inactive), 4.4 W (motors active)

PARAMETERS	FEATURES MODEL: CreLed 5700	FEATURES MODEL: CreLed 5700
Illumination (Lux) at 1 meter distance	1,60,000 Lux	1,60,000 Lux
Arm Joint type	Spring Type Joint Arms	Spring Type Joint Arms
Luminance Adjustment/ Dimming range	10 - 100% (continuous 12 levels)	10 - 100% (continuous 12 levels)
Electric Focusing size (circular)	15-30 cm	15-30 cm
Color Temperature (adjustable–6 steps)	3500, 3750, 4050, 4350, 4650 & 5000K	3500, 3750, 4050, 4350, 4650 & 5000K
Color Rendering Index Ra	97	97
Red Rendering Index R9	96	96
Lighting Depth/Depth of Illumination	70 - 130cm	70 - 130cm
Diameter light head dome	70cm	70cm
Height Adjustment/ Working distance	100 - 120cm / 70 - 160cm	100-120cm / 70 - 160cm
Temp increase in the operating field	<1° C.	<1° C.
No. of LEDs	78	78
Power Consumption	78W	78W
Power supply	220 - 240 V, 50/60 Hz	220 - 240 V, 50/60 Hz
Certifications/ Approvals	ISO 9001, ISO 13485, European CE Class I with IEC 60601-1-2, IEC 60601-2-41 & US FDA	

- Micro processor control multi-reflector technology for clear tissue visualization and zero image interference while electro surgery.

- Mixture of white and yellow LEDs light technology yields natural day sunlight for better illumination and visualization of blood vessels. This also offers adjustable color temperature.

- Proper central illuminance - Provide shadow free illumination with multi-lens technology that controls the LED illumination automatically offering same illumination from 0.7m to 1.3m and at different spot size as well.

- Light yields unique counter balance; drift free, homogeneous, cold and light effect resulting minimal eye strain for surgeon and also infrared free with a temperature of less than 1˚C near light head.

- Aerodynamic design of dome minimizes laminar air flow turbulence.

- Dome head with 360˚ mobility and have counter balance to fix the domes at and position allow movement for up and down.

- ABS coated aluminium dome design is seamless & screw less covered with scratch resistant glass lined with internal gaskets..

- Imported LED with a life span of more than 60,000 hours.

Both domes provide shadow free illumination adjusted automatically. The illumination and focus of the light remains constant even in case of obstruction during surgery.
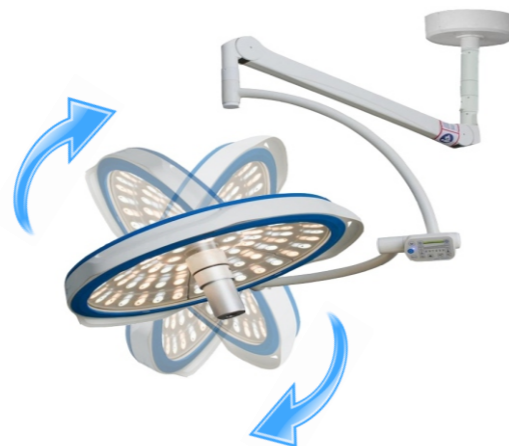
With ultra-thin aerodynamic design and streamlined shell of dome minimize the turbulence of laminar air flow, provide operation room with great hygiene and easy for cleaning.
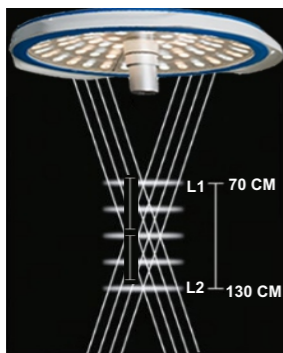
Both domes are provided with detachable, steralizable and lockable handle at the center of dome for the easy movement of the operating lamps.

The suspension system allows 360° rotation of light head and arms ensures the domes can be moved easily and freely in all directions.

Depth of Illumination - The distance between the points of 20% illumination intensity above and below the center point is 70 - 130 cms.

L1 — 70 CM

L2 — 130 CM

Endo mode in which six tiny LED's create an unparalleled, uniform glow in the room allowing surgeons to concentrate on the monitors during Minimal Invasive Surgery (MIS) and Endoscopy Procedures in darkened operation theater.

Deep Cavity helps in visualization and distinguish between small tissues, light equipped with multicolor LEDs and this mode provide automatic focus, color temperature as required by surgeons on depth to wound area with quality light.

Surface mode for minor surgery with accurate color reproduction and exceptionally high white light output on body surface without heat development and exact positioning of the laminar support during medical procedures.

Normal mode is used for normal OT surgery and while running on normal mode all the features like illumination control, color temperature adjustment and electric focus can be used.