



Shandong LEWIN Medical Equipment Co., Ltd. is a professional medical equipment manufacturer with certificates, such as CE, FDA, ISO9001, ISO13485, SGS, Rohs, MHRA, 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.



**LED 700/ 700  
LED OPERATING LIGHT WITH CAMERA SYSTEM**

**LEWIN** ADD: NO. 2 FAZHAN AVENUE, ECONOMIC DEVELOPMENT ZONE, QUFU, SHANDONG PROVINCE, CHINA 273100  
TEL: +86-537-3748923, FAX: +86-537-3748935  
EMAIL: lewin@lewinmed.com  
LEWIN MEDICAL EQUIPMENT CO. LTD. Website: www.lewinmed.com

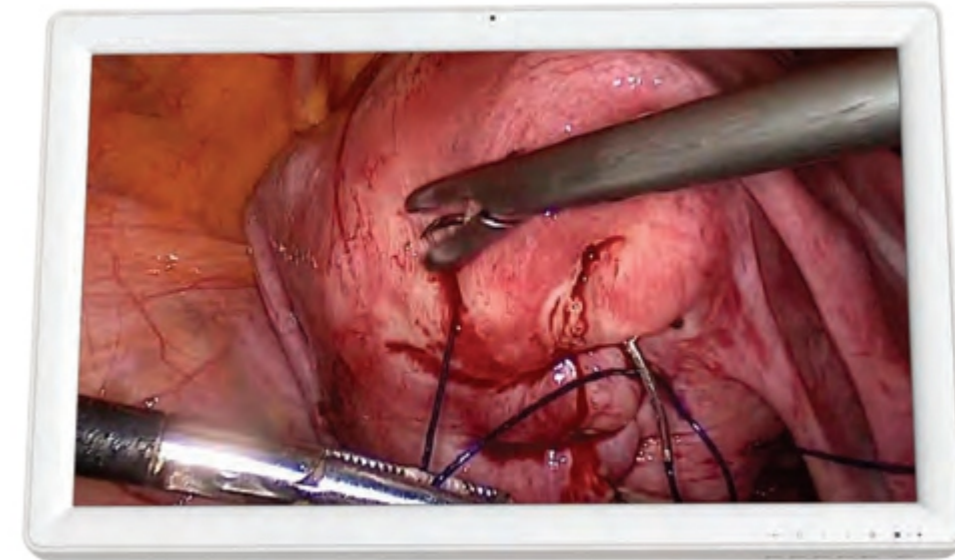
*LEWIN MEDICAL EQUIPMENT CO. LTD.*



**STRIVING FOR EXCELLENCE**



## 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,DVI-I,VGA,CVBS,S-VIDEO,YPbPr,RGBS,HDMI
Video Output	CVBS/HD-SDI
Power Requirements	100~240V AC, 50/63Hz

## HD EMBEDDED DIGITAL VIDEO - HARD DISK RECORDER

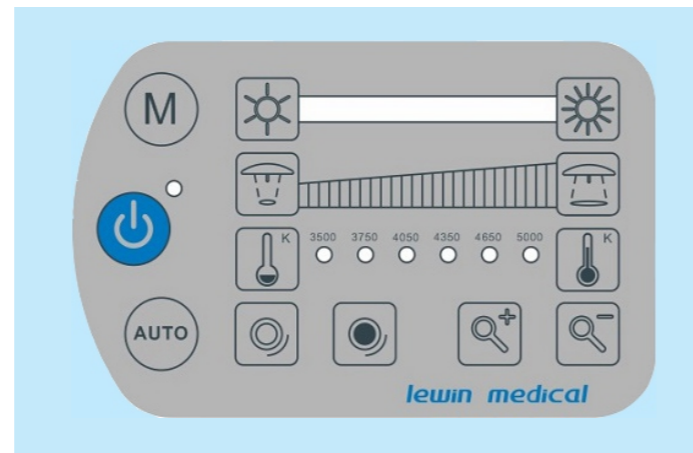


- Adopted with GM8180 SOC chip, in-built with ARM9 CPU core with high speed, high integration, low power consumption, small but complete in function. Adopted with Linux real time operation system, with strong flexibility, strong network transmission ability and stability.
- Enhanced H.264 algorithm (main 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, support motion detection, OSD, real-time listening in.
- 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.
- Can combine digital video matrix output system with 1708MD/1702MD
- Real-time in procedure DVD burning.



### CONTROL PANEL ON DOME

- ON/ OFF switch with LED light
- Intensity Control in 12 steps
- Electric Focus adjustment
- Six steps adjustable color temperature (3500-5000K)
- Modes (Back/Endo, Surface, Deep Cavity & Normal)
- Auto Camera Focus
- Manual Camera Focus
- Camera Zoom In & Out



### CONTROL PANEL ON WALL

- ON/ OFF switch
- Intensity Control in 12 steps
- Modes (Back/Endo, Surface, Deep Cavity & Normal)





## SONY FULL HD MEDICAL CAMERA



### FEATURES

### PARAMETERS

Image device	1/4-type EX View HAD CCD
Effective picture elements	More than 2 million pixel
Video Standard	HD 1080P/i (1920 x 1080)
Horizontal resolution	On/Off (On: 530 TV lines)
Lens	20 x optical zoom, f=4.1 mm (wide) to 73.8 mm (tele), F1.4 to F3.0
Digital zoom	12x (312x with optical zoom)
Viewing angle (H)	48.0° (wide) to 2.8° (tele)
Minimum object distance	290 mm (wide), 800 mm (tele)
Sync system	Internal/External (V-Lock)
Minimum illumination	1/60 s mode: 0.7 lx (typical) (F1.4, 50IRE) 1/4 s mode: 0.07 lx (typical) (F1.4, 50IRE)
S/N ratio	More than 50 dB (weight ON)
Electronic shutter	Electronic shutter
AE control	Auto, Manual, Priority mode (shutter priority & iris priority), Bright, EV compensation, Backlight compensation, Slow AE
Color Reproduction	Vivid (1.43 dEab)
Remote System	IR controlling image – rotation & freeze and auto focus on image surface
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)
Flicker cancel	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
Camera control interface	VISCA (TTL signal level), baud rate: 9.6 Kb/s, 19.2 Kb/s, 38.4 Kb/s, 1 or 2 stop-bit selectable
Storage temperature	-20 to 60 °C (-4 to 140 °F)
Operating temperature	0 to 50 °C (32 to 122 °F)
Power requirements	6 to 12 V DC
Power consumption	2.6 W (motors inactive), 4.4 W (motors active)
Dimensions (W x H x D)	52.0 x 57.5 x 88.5 mm (2 1/8 x 2 3/8 x 3 1/2 inches)

## DIFFERENT MODES



**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 the combination of multicolor module make it possible to adjust the color temperature, as required by surgeons on depth to wound area with quality light.



**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.

**Surface mode** for minor surgery with accurate color reproduction, exceptionally high light output without heat development and exact positioning of the laminar support personnel during medical procedures.





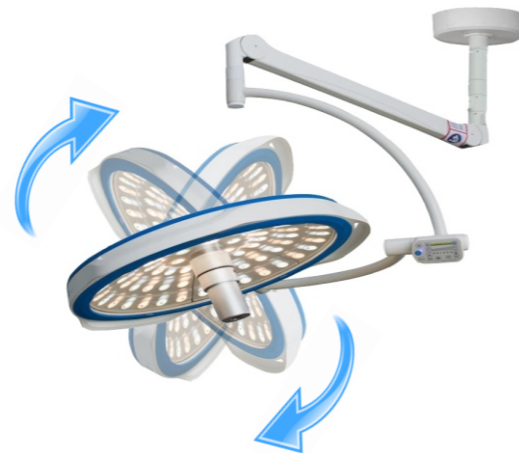
Shadow free illumination with sensor system technology and Focus/ Spot diameter of 15 to 30 cm



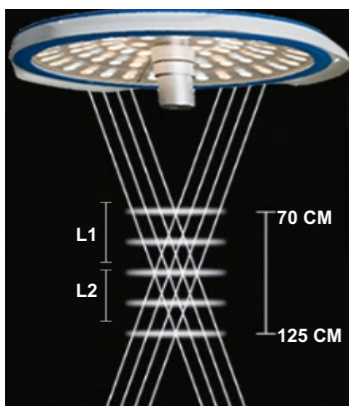
With ultra-thin and streamlined shell/ dome, **LED 700** minimize the turbulence of laminar air flow, provide operation room with great hygiene and easy for cleaning.



Light field/ Focus adjustment through sterilizable and detachable handle at the center of the light head.



360° rotation of light head ensures the dome along with camera 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 - 125 cms

## TECHNICAL SPECIFICATIONS

FEATURES	PARAMETERS: MODEL LED 700
Illumination (Lux) at 1 meter distance	1,60,000 Lux
Arm Joint type	Spring Type Arm
Luminance Adjustment/ Dimming range	10 - 100% (continuous 12 levels)
Electric Focusing size (circular)	15-30 cm
Variable Color Temperature (adjustable-6 steps)	3500, 3750, 4050, 4350, 4650 & 5000K
Color Rendering Index Ra	96
Red Rendering Index R9	96
Lighting Depth/Depth of Illumination	70 - 125 cm
Diameter light head dome	70 cm
Rotation in all pivot joints	360°
Temp increase in the operating field	<1° C.
Power Consumption(W)	78
No. of LEDs	78 W
Power supply	220 - 240 V, 50/ 60 Hz
LED Life Span	> 60,000 hours
Certifications	ISO 9001, ISO 13485, European CE, IEC 60601-1-1-2, IEC 60601-2-41 & US FDA

- Micro processor control multi-reflector technology for clear tissue visualization and zero image interference while electro surgery.
- White and Yellow LED light technology yields natural day sunlight for better illumination and visualization of blood vessels and the light contrast is better for surgery.
- Proper central illuminance - Provide shadow free illumination with sensor system technology.
- Light yields unique counter balance; drift free, homogeneous, cold and circular shape of light effect (halo) resulting minimal eye strain for surgeon and also infrared free with a temperature of less than 1°C near light head
- Dome design is seamless & screw less and covered with scratch resistant glass lined with internal gaskets.