



Trends

Integrated Surgical Light & HD Visualization System

Nowadays, to the increasing of the demands, offer pure white cool light only isn't satisfied by the users. Therefore, we offer a completed Communicative HD TV & Video Solution to the optional choice of the user.

Remote Controller

We offer optional infrared remote controller to facilitate the operation of the LEDtech® surgical lighting system.

As Flexible As Your Requirement

Three different types enable the flexible use of the surgical lighting system in different surgical situations.



HD Camara System



Add a Monitor



Control for light with HD camera&system



Ceiling Type



Wall Type



Mobile LED with battery
LEDTECH7000M

SPECIFICATION

MODEL	LEDTECH7000	LEDTECH5000
Luminance(Lux)	130000*	80000**
Diameter of Light Head(CM)	70	50
Number of Bulbs	108	57
Color Temperature(K)	4300	4300
Color Render Index(Ra)	95	95
Red Color Index(R9)	94	94
Light Field Diameter(CM)	12~35	12~35
Focusing Depth(CM)	>90	>90
Working Distance(CM)	50~180	50~180
Bulb Service Life(H)	>30000	>30000

* The Luminance is optional to be customized from 130000 to 160000 Lux

** The Luminance is optional to be customized from 80000 to 100000 Lux

SUMSUNG MONITOR

Display	22"
Resolution	1920 x 1080
Brightness	250cd/㎡
Contract ratio	1,000 : 1
Aspect	16 : 9
Viewing angle(H/V)	170°/160°
Response time	5ms
Model	NTSC / PAL
Life-time	30,000 hours

INPUT

BNC	BNC: (2 in /2 out)
RGB/DVI	1 RGB 15 pin D-sub
RGB/DVI	0.7 Vp-p ± 5 %
HDMI	1 HDMI(A type) convert to SDI

INTEGRATED HD CAMERA

- High performance SONY 1/2.9" Exmor™ CMOS
- 2.2M 1080p Full HD, Excellent picture quality 1920x1080p / 30fps, 1280x720p / 60fps
- 20x Optical zoom (x320 Zooming capability / Digital:16x)
- Day & Night (ICR)
- OSD (on screen display)
- WDR (Wide Dynamic Range)/ BLC (Back-light compensation)
- DNR (Digital Noise Reduction, 2D+3D)
- Privacy mask Function
- HLC (High Light Compensation Function)
- Motion Detection
- Defog
- Composite Video Output (700TV Lines)
- Protocol (VISCA, Pelco-D, Pelco-P, Fastrax)
- DC 9~12V inpu



www.acota-medical.com

Acota
Acota B.V.

Verweylaan 10, 9752GM,
Groningen, The Netherlands
Tel: +31 505267919
Fax: +31 505267919
E-mail: info@acota-medical.com
website: www.acota-medical.com



Acota

Innovations For Medical Illumination



Cutting Edge Technology

After a long term evaluation of different type of LED technology, LED elements and geometry layout, we determine to choose the most appropriate one for the brand-new LEDtech[®] Surgical Lamp. To be benefitted of such choice, LEDtech[®] offer user a true white light, pure light and cool light with multiple geometry lighting system.



Minimally Invasive Surgery (MIS) Lighting Mode

When surgeons are performing MIS surgeries such as endoscopy or laparoscopy, this mode can be used as an ambient lighting.



An Efficient Performance Completely Improve the Environments

■ Try to offer Right Comfort to Persons During the Surgery

An efficient and stable illumination system without spotlight thanks to 3rd generation LED technology. The peaceful and homogenous pure white light guarantee the best sight condition without visual fatigue. Moreover, the great low radiated heat management system ensure your staff a COOL and COMFORTABLE condition with mild emotion even during a long surgery period.

■ Life of the Bulb More Than 50000 Hours.

The LEDtech[®] series offer an incredible long life of the bulbs more than 50000 hours.

■ Reduce Resource Consumption

The energy consumption of LEDtech[®] surgical lamp is 1/3 less than traditional type. A great adaption is offered to the trends of "Environmental Protection" as well.

■ Great Behave of Laminar Flow

With the unique design of lightweight and slim "dishes", LEDtech[®] offer a very nice performance of laminar flow to the operation room.



Excellent in Design and Performance

With the launching of LEDtech[®], Acota Medical is walking on the new way in medical illumination field. An innovative LED Surgical Lighting System is offering in addition to the present REFtech[®] Series. Although LED-based operation light is no longer a fresh news for some time, LEDtech[®] Series is still anticipated to make some noise due to their unique design of 3rd generation of LED reflection technology.



Better Effect of Reflection Performance

The one make LEDtech[®] so outstanding is the particular reflection parts with brand-new LED elements which result to high performance of light resource. The light of each "Bowl" is combined in a perfect way into the surgical field, therefore color shadow and contour shadow are no longer emerge.

