



MediworldIndia

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CAPITAL MEDICAL EQUIPMENTS SALES & SERVICES

LED Surgical Lighting & Visualization System

Description

Simply Maneuverable : Precise 360° positioning at all point of articulation without drift. Ensure effortless movement inside calibrated arms ambient light for minimally invasive surgery.

Variable Color Temperature : Surgeons can optimize their field of view by changing the color temperature with a CRI up to Ra 93.

Deep Cavity Illumination : For better visualization and distinguish between small tissues, light equipped with multicolor LEDs. Multicolor LEDs combination : The multicolor led combination module make it possible to adjust the color temperature, as required by surgeons on depth to wound area with quality light.

Aerodynamic Shape : Keeps light cool, with air supply ceilings with the use of open design

Light Color Pattern Adjustment : The panel & remote is designed with graphical icons to allow user to quickly learn and easily operate:

- On/off finger touch switch
- Light intensity adjustment
- Light color pattern adjustment



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Technical Specification

Model No.	XN 243		XN 104
	Main Head / Satellite Head		
Light head dia	60 cm	53 cm	60 cm
Illumination intensity @1 m	160,000 Lux	120,000 Lux	160,000 Lux
Focus dia	15-20 cm	15 cm	15-20 cm
Color temperature	4300 K	4300 K	4300 K
CRI (Color Rendering Index)	93	93	93
Focus adjustable	Yes	No	Yes
No. of LEDs	84	63	84
LEDs lifetime	50,000 hrs	50,000 hrs	50,000 hrs
Light rotation	360°	360°	360°
Control unit	SMPS	SMPS	SMPS

Why Camera in Surgical Lights?

When it is required to document surgical procedures for training purpose, make use of live transmission or consult with external surgeons during operations. The camera system can be operated with integrated OR system. Digital image data is recorded in Digital Video Recorder (DVR).

Camera Specification		DVR (Digital video Recorder) Specification
Size	1.4"	Video (H.264) / Audio (ADPCM)
Effective number of Pixels	1.4"	Up to 4ch audio inputs and 1ch audio output
Resolution	600 TV Lines	Combined BNC and VGA video output for main display (up to 1280 x 1024)
S/N ratio	52 dB	SATA I/F HDD support (Internal Max. HDD x 1)
Zoom	34x Optical & 16x Digital Zoom	HDD & DVD SATA interface
Focal length (mm)	F= 3.4 to 115.6 mm	Built-in web viewer
Minimum working distance	1500 mm	
Focus	Auto / Manual / One Push	
Power consumption	4.2W	
Power source	DC12 V	



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