



STALWART LAPAROSCOPY SYSTEM

FULL HD ENDOSCOPY CAMERA



MODEL	SM-60K HD
BRAND	Stalwart
VIDEO SYSTEM	50Hz/60Hz Mode
IMAGE SENSOR	1/3*FHD CMOS
RESOLUTIONS	1920(H)*1080(V) 60 FPS
SCAN MODE	PROGRESSIVE SCAN
HORIZONTAL RESOLUTION	1100TVL(1080P)
FOCUSING RANGE	≥(2-200)MM
SNR	≥40 DB
BRIGHTNESS	ADJUSTABLE
WHITE BALANCE	MANUAL / AUTO
MINIMUM INTENSITY	F1.2≤ 0.1 LUX
DNR	2D NOISE REDUCTION
VIDEO OUTPUT	SDI*1, CVBS*1, DVI*1, HDMI*1, USB*2
PHOTO / VIDEO RECORD	SUPPORTED
RECORDING FORMAX	MP4
RECORDING RESOLUTION	18MBS 1080P 60FPS
U FLASH DISK	MAX 1TB
HDD	MAX 2TB
POWER	AC110-240V
ENVIRONMENT	0°C - + 35°C temperature Less than 90% relative Humidity
COUPLER (OPTIONAL)	F18/20/22/24/28/32/25, OR ZOOM 32-35

“Crystal-clear, fast, and reliable imaging for seamless procedures”

Key Features

- FHD CMOS camera module which bring you perfect image and video effect.
- Resolution: 1920*1080P 60fps resolution.
- Quick operation for white balance and image freeze with one click only.
- Adjustable Functions on camera head and processor unit buttons.
- Free from electromagnetic interference, such as ultrasonic knife, plasma knife, electrosurgical unit, etc.
- Water proof ip8x grade camera head.
- Fast light extinction with less than 0.2s, which makes operations smoother.
- Widely used in all endoscopy applications, ENT, laparoscopy, Cystoscopy, arthroscopy, hysteroscopy.



STALWART MEDITECH PVT. LTD.

Corporate Office : Plot No-A-10, Second Floor, Patparganj Industrial Area, Delhi-92

☎ 011-49869776 ☎ +91-9999012763, 9718784245

Full HD Medical Grade Monitor/

- Medical Grade High Definition Monitor, available in all sizes
- Higher Contrast Ratio with 1920x1200 resolution
- length/wide 16:10 & response Time 5 ms
- Viewing Angle more than 178 degree
- Edge to Edge clarity & On screen display for personalized settings
- output- DVI-,VGA, HDMI, CVBS, RGBS S-Video and YPbPr



Full HD telescope/

- Full HD laparoscope 10/5 mm, 0/30 degree
- Thrice more contrast than conventional laparoscopes
- Wide angled, autoclavable and laser welded
- Sapphire Distal Lens



Laparoscopy trolley/

- Made with Imported High grade MS powder coated material
- Adjustable Shelf
- Imported lockable Wheels
- Inbuilt Storage space
- In-Built Monitor Stand



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LED Light Source



Technical Specifications /



- Low energy consumption of only 150W typical at full intensity: 65% more energy-efficient than 350W xenon lamp.
- Long lifetime of 60,000 hours. -120 times longer lifetime than a typical 350W Xenon Lamp.
- High brightness is comparable to 350W Traditional xenon light source, could be used for laparoscopy without any problem.
- Wide range Power from 100-240 V/AC, 50-60 Hz.
- Perfect Colour Temperature 5000K to 6000k, colour rendering is over 70.
- Does not emit light in UV or IR.
- Customized Connector, It accepts Fibre Light guides with active areas ranging from 3mm to 10mm diameter.
- It saves energy for more than 50%.
- Environmentally Friendly with easy to operate.
- Remote Operated.

Application /

- Laparoscopy
- Arthroscopy
- Urology
- Gynaecology and All type of surgery....!!

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CO₂ INSUFFLATOR /



MODEL : MAX-FLOW

Safety /

- Special feature that assures a constant pressure of the Co₂. If actual pressure is more than set pressure, the system offers a rapid & instantaneous release over. Low gas pressure alarm & pressure release systems help to assure patient safety.

Software /

- Software controlled technology to initiate calibration of pressure and flow of system when insufflator is turned on. Software controlled pressure release mechanism to prevent excess pressure build up in abdomen.

Advance Flow Control /

- The Co₂ insufflator is highly adaptable advance flow control insufflation for precise and safe gas flow to meet patient requirement. Better precision for measurement of volume & flow of Co₂. The Co₂ has pressure range from 4 to 30 mm Hg.

Inbuilt Gas Warmer /

- The Co₂ insufflator has unique heating systems that provide a constant temperature for the Co₂ to reduce the chill effect of high flow insufflation & lenses telescope fogging.

Technical Specifications /

- Flow Rate min to max. : 1 to 30 ltrs/Min continuous
- Keyboard - feather touch
- 230 VAC + 15% @ 50 - 60 HZ.
- Protection by fuse : 5A
- Power consumption - 125W Max with warmer else 20W Max
- Dimension: 260(L) mm x 290 (W) mm x 105(H) mm
- Weight: Approx: 2 kg

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