

REVISED TECHNICAL SPECIFICATIONS

HIGH DEFINITION SYSTEM

TECHNICAL SPECIFICATIONS OF THREE CHIP FULLY HIGH DEFINITION LAPAROSCOPY CAMERA SYSTEM

Three Chip High Definition Camera System:

- The system should be truly Digital HDTV endoscopic video camera. The system should have the resolution of minimum 1920x1080 pixels or above. Higher resolution up to 4K will be preferred, progressive scan and the consistent use of 16:9 formats for input & output to guarantee genuine HDTV
- The system should have facility of Optical OR Digital Zoom lens.
- Camera should be ICG based.
- System should have either inbuilt recording facility or it should be compatible with external recording system.
- System should be US FDA/CE European approved from notified body.

Technical Specifications

- Image Sensor : 3x1/3" CCD-Chip/CMOS
- Pixels minimum: 1920x1080 or above. Higher resolution up to 4K will be preferred
- AGC: Microprocessor Controlled
- Control Buttons : 3 or more (2 of them freely programmable)
- It should have highly sensitive control and display system
- Video Output: Minimum 2 HD Signal (2xDVI) and 01 SD Signal (1xS-video)
- Power Supply : 100-240 VAC 50/60 Hz
- Certification : Product Class 1

High Definition Medical Grade Monitor

- HDTV display in original 16:9HDTV format
- LED crystal display
- Resolution of 1920 x 1080 (minimum or above), Higher resolution up to 4K will be preferred.
- Screen diagonal - 26" or more
- Screen resolution >1100 lines
- Desktop with pedestal
- Power Supply : 100-240 VAC
- Video input: DVI/3G SDI, S video, composite, RGB/VGA
- Certified to : Protection Class 1

LED LIGHT SOURCE with 02 Fiber Optic Cable

- Light intensity from 0-100% manually
- Light Outlets -1
- Light intensity adjustment : Continuously adjustable either manually and automatically by cameras video output signal
- Should be supplied with Diameter 5.0 to 6.5mm, length >160cm
- Certified to: IEC 601-1 & UL 544 CE According to MDD, Protection classe 1/CF
- It should have highly sensitive control and display system
- It should be ICG based.

Insufflation Unit : 40-50 Liter

- High Degree of patient safety
- Easy to use
- Clear, adjustment display for set value and actual value allow easy monitoring of insufflation process.
- It should have highly sensitive control and display system
- System should have either built in gas heating technology or it should be compatible with external heating system and should be able to deliver gas at body temperature.
- Optical and acoustic warning signals in the event of patient overpressure.
- Fully automatic, electronically controlled gas refill (e.g. in case of gas loss when changing instruments)
- Safety: Constant monitoring of Intra-abdominal pressure; any overpressure is reduced immediately.

Technical Specifications:

- Gas flow/min 0-45ltrs
- Intra-abdominal pressure gauge 0-50(mmHg)
- Power Supply: 100-240VAC (50/60 Hz)
- Certification : Protection class 1

Endocart/Trolley

- Mobile video cart with monitor holding arm
- High Quality material, high quality 4 wheels with locking brakes, at least 04 adjustable shelves, in built electrical switches.
- One CO2 bottle holder
- Should be from same manufacturer having shelves on which all equipment is placed comfortably

Telescope 30 degree Qty 02

Forwarded-Oblique Telescope 30deg. Enlarged view, diameter 10mm, length 30-36 cm, autoclavable, fiber optic light transmission incorporated ICG based

Telescope: 0 degree Qty 01

Forwarded Zero degree: Telescope, Enlarged View, diameter 5mm, length 30-36 cm, autoclavable, fiber optic light transmission incorporated ICG based:

Standard & Warranty :

- All equipments should be US FDA/CE European from directive approved notified body and from same OEM.
- Comprehensive warranty for 05 years and 05 years CMC
- Product should have IEC safety standards where ever listed
- Foreign manufacturer offering their products through their subsidiary/agents should have their service center in North India with repair facility and availability of spare parts in their service center
- The company should provide details of service centre along with details of technical personnel's with their experience.

Certificate (s) regarding **standard** in quality must be uploaded.

GUARANTEE / WARRANTEE SHOULD BE CLEARLY MENTIONED

NOTE: -

- All accessories like UPS / Stabilizer or any other which are required for machine should be supplied by the L1 bidder.
- **Price of above accessories should be quoted too separately in price bid. The specific accessories and their quantity will be decided on the basis of actual requirement.**
- Compliance report to be submitted in a tabulated and point-wise manner (as per technical specifications), clearly mentioning the page/ para number with authenticated catalogue / manual, without which it will not be considered. Points not covered in the brochure must be specifically addressed in a separate certificate.
 - User list from Govt sector and good repute private hospitals should be provided.
 - Certificate (s) regarding standard in quality must be uploaded.
 - Expected delivery & Installation time: Within 45 days after issue of supply order.