

## **Annexure : Specification**

### **Gastro/colonic videoscopes:**

- Built in HDTV compatible CCD with close focus observation capacity.
- Suitable for Narrow Band Imaging.& Dual Focus
- Fully immersible in disinfectant solution (no need to attach water resistant cap) & one touch connectivity.
- In built scope identification memory chip for monitor display of scope's model no.serial no., white balancing memory, no. of connections/cummulative uses etc.(RFID feature)
- Auxillary water jet for mucosal cleaning

Field of view	: Normal/Near focus 140 degree or more
Direction of view	: 0 degree, forward viewing
Depth of field	: Near 2-6 mm, Normal 5-100 mm or better
Distal end outer diameter	: 9.9 mm or less
Insertion tube outer diameter	: 9.9 mm or less
Tip Bending rage	: Up 210 deg, Dn 90 deg, Lt & Rt 100 deg.
Working length	: 1030 mm or more
Channel inner diameter	: 2.8 mm or more
Minimum Visible distance of instrument used thru channel	: 3 mm or closer from distal end.

### **Video Processor :**

- Should be compatible with Analog, HD-SDI and DVI output & 16:9 & 16:10 output for a HDTV monitor should be available.
- shoul contain the electronics to operate dual focus for clear visibility of near & far objects
- Equipped with high resolution HDTV Imaging capacity.
- Compact, light weight (10-11 kg) and ergonomically designed
- Narrow Band Imaging capacity for compatibility with NBI Videoscopes.
- Recording of both still & moving images
- equiped with one touch connection of scopes.
- Portable Memory & USB Slot for image recording
- Automatic IRIS control & automatic white balance
- Picture in Picture display & Index functionability
- Electronic Zoom upto 1.5X.
- Equiped with memory back up for settings & Lithium battery.
- Should have pre freeze function for image stabilization
- Should be compatible for UGI, LGI, ERCP, EUS, Enteroscope, Scopeguide systems.

### **Light Source (Xenon short arc Ozone free 300 Watt lamp) :**

- Equipped with Narrow Band Imaging capability with high intensity Xenon Light source (300W) with 500 hours life.  
Compatible for waterproof one touch connector.
- Equipped with special filter for Narrow Band Imaging
- Backlit front panel indicators.
- Emergency halogen light for backup.
- Equipped with automatic light adjustment forced aircooling, regulated airfeeding pump and fan with low noise.

### **High Definition LCD Monitor :**

- 26 inch full HD LCD monitor with high resolution 1920X1200 (WUXGA)
- Lower Power consumption
- Aspect ratio 16:9 & 16 :10 with output of (1080/60I:NTSC) (1080/50I:PAL) with RGB or YPbPr
- Should have Picture-in-Picture and Picture-out-Picture for viewing side-by-side split screen images.

### **Trolley**

Ergonomic imported movable trolley to carry complete equipment, preferably from same manufacturer.

### **Software with Computer System & Printer**

- Recording Software
- Latest computer system with UPS
- Inkjet Printer