

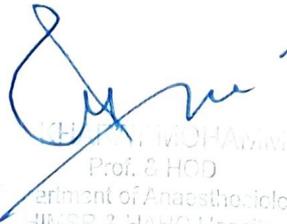
Specifications for Fiber Optic Laryngoscopes

Video Blades for difficult intubation:

- Special angulated Adult Blade for difficult intubation with device for introduction of suction catheter of size 16-18 Fr., angle of view should be 70 degree or more should be provided with stylet from same manufacturer.
- Blades and connection cable should be fully immersible in disinfecting solution.
- Blades can be sterilized using plasma sterilization system. Thermal disinfection up to 93 degrees and Chemo-thermal disinfection up to 65 degrees should be permissible.
- Required blades with titanium handles with integrated camera chip and LED light illumination.
- Blades should have anti fogging mechanism.
- Accessories like protection cap for blades, tray for cleaning and sterilization of blades (at least two blades at a time) from same manufacturer should be provided.

Video processing & Monitor

- Monitor Screen size should be 8 to 9 inch for display. Touch screen to control features with HDMI output for connecting to a big screen which can display picture simultaneously on both screens.
- Monitor should have two ports to connect two video laryngoscope blades at one time and picture can be swapped using touch screen.
- Monitor should be chargeable, to be supplied with charger and should have facility to be used while charging.
- Monitor resolution should be minimum 1920 X 1200 pixels in 16:9 format.
- It should have integrated video processing & integrated recording of Video & still images should be possible on data card or USB drive with JPEG and MPEG format which can be easily transferred to the computer/laptop. Documented videos & still images should be easily recalled on the monitor.


DR. MUHAMMAD
Prof. & HOD
Department of Anaesthesiology
HIMS & HAHC Hospital
DMC No. - 79516

- Monitor should have a facility to connect flexible videoscope (reusable & single-use) directly without any special coupler or accessory.
- Monitor should have Picture-in-Picture & side-by-side mode to view images from 2 different blades or flexible video scopes.
- Monitor should be splash proof according to IP 54 and should be shock resistant.
- Monitor should have lithium-Ion rechargeable batteries and run for at least 100 minutes when fully charged.
- Soft bag from same manufacturer should be supplied to place the monitor and system can also be operated without taking monitor out from the bag.
- Product certification EC Class-1
- Same Monitor should be compatible with all the below mentioned scopes of same manufacturing principal company
 - Single use video laryngoscope
 - Reusable Flexible Intubation video endoscope
 - Single use Flexible Intubation video endoscope
 - Video Intubation endoscope with flexible tip

Video Trolley/ Cart:

Trolley to hang monitor with tray for fiberoptic laryngoscope should be provided from same manufacturer with height 120 cm, rollable with minimum five legs and antistatic castors, crossbar 25 cm x diameter 25 mm for positioning the monitor, with tray, dimensions (w x d x h): 30 x 20 x 10 cm.

- Video processing system including Video Blades should be from same manufacturer for total system compatibility for optimal system performance.
- Demonstration of system is must before finalization of opening finance bid.
- **Should have approval from USFDA Approved & European CE**


 DR. KHARAT MOHAMMED
 Prof. & HOD
 Department of Anaesthesiology
 HIMSR & HAHC Hospital
 DMC No. - 79516