### 4KUHD Camera System

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<td>4K Camera System</td>
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- The system should be Digital endoscopic video camera with maximum Resolution of 3840 X 2160 pixels, progressive scan to guarantee genuine 4K.
- The system should have facility of 3x Digital Zoom Lens or more.
- The system should have facility for capturing 4K UHD HD Stills and FULL HD Videos in External USB drive.
- System should have facility to offer various visualization modes for surgery and diagnosis by shifting the color spectrum like **BLUE & GREEN** light for recognition of the finest tissue Structures and their differentiation.
- Picture in Picture of visualization modes.
- Automatic adjustment of light intensity of light source.

**Technical Specifications:**

- Pixels: 3840 X 2160 Pixels
- AGC: Microprocessor controlled
- Lens: Integrated Zoom Lens f = 18 mm
- Color Space: BT.2020 emulation
- Control buttons: 3 (2 of them freely programmable).
- Video output: 1 Display Port 1.2, 1 x DVI-D output, 1 x 12G-SDI output, 3 x camera input for communication with compatible camera modules, LAN connection, 4 x USB connection (2 x front, 2 x back).
- Input: Keyboard input for character generator.
- Power Supply: 200-240 VAC 50/60 Hz
- Certified to: IEC 601-1, 601-2-18, CSA 22.2 No. 601, UL 2601 and CE according to MDD, protection class 1/cfedefib

| 2     | 31 Inch 4K Monitor |

The monitor should have:
- Color Space – BT.2020 emulation, Adobe RGB 97%
- Aspect ratio: 16:9
- Screen Diagonal: 31.1”
- Effective Resolution: 3840 X 2160 Pixels
- Brightness: 350 cd/m²
- Max observation angle: 178° vertical/horizontal.
- Inputs: 1 x DP 1.2, 2 x DVI-D, 4 x 3G-SDI / 1 x 12G SDI
- Outputs: 1 x DVI-D, 4 x 3G-SDI / 1 x 12GSDI
- Contrast ratio: 1500:1
- Certified to: ANSI/AAMI ES60601-1:2005, UL 60601-1, CAN/CSA C22.2 NO 60601-1:14 & EN 60601-1
- CE label according to MDD, class I.
3 PowerLED 300 with Fiber optic cable

- Should have touch display which provides an intuitive & user-friendly interface that
directly displays relevant data
- Cold Light Fountain LED Light Source
- Lumens: 2100 and above
- Color Temperatures 6000K
- Light Outlets - 1
- Lamp life of approx. 30,000 hrs
- 4.8mm Fiber Optic Cable and 300cm Long

Certified To: - IEC 601-1 & UL 544 CE According to MDD, protection class 1/CF

4 IMAGE/VIDEO RECORDING AND DATA ARCHIVING SYSTEM

- State of the art user friendly Medical grade system (certified to be used in OT) should be
offered with following features,
- User should have full control of the system from the sterile field via camera head buttons,
optional touch screen, optional foot switch.
- Parallel (synchronous or independent) recording of two image sources.
- Still images and videos (optional with audio) in 2D, 3D or 4K.
- Internal memory 2 TB
- Playback of 2D, 3D and 4K content
- Viewable Diagonal (inches): 12.5”.
- Type approval: IEC 60601-1-1, EN60601-1, EN60601-2.
- Classification: CE, MDD, CSA.

5 Imported Endoscopic Trolley

Endoscopic Trolley Compatibile with the above system from the same manufacturer should be
provided.

6 TELESCOPES

Compatible Telescopes with the above system should be quoted with Dimensions as below:

1) 4 mm 30 Degree and 70 degree with 29cm or more working Length – 1 Each QTY.

All the Above Equipment’s are to be supplied by the same manufacturer.