

장비 사양서

장비심의

제2023-29호 / 복강경 카메라 시스템(UR. Laparoscope Camera System)

1. 기 본 사 양 (기본적 구성)

1) 4K Monitor

- ① Brightness: 350 cd/m² or more
- ② 32" display panel or more
- ③ Effective size : 16:9 format
- ④ Resolution : 3840 x 2160 pixels or more

2) Camera Control Unit

- ① 4K-UHD Video outputs or 4K & HD Out puts
- ② Outputs : 2 x Display port 1.2, 1 x 12G-SDI output, 1 x DVI-D output or 1 X 12G SDI(4K), 2 X 3G-SDI(4K), 1 X 3G/HD-SDI (HD)
- ③ Resolution : 3840 x 2160 pixels or more

3) Image Link Unit or All-in-one System

- ① Full HD image processing
- ② Camera input : 1 x Full HD camera head
- ③ Resolution : 1920 x 1080 pixels

4) LED Light Source

- ① Lamp Type : LED, 300 Watt
- ② Color Temperature : 6000K
- ③ Light Outlets : 1
- ④ Touch display

5) Storage System

- ① Processor : Intel I7 or more
- ② OS : Windows 10
- ③ Internal memory : HDD (2 TB) or more
- ④ Memory RAM : 16 GB or more
- ⑤ Video inout : HDMI / DP
- ⑥ Video format : MPEG
- ⑦ Real time still image, video, display
- ⑧ Capture rate 60 FPS
- ⑨ DICOM 3.0

6) CO2 Insufflator

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- ① Gas flow : 0-30 l/min or more
- ② Pressure : 0-30 mmHg (3990 Pa) or more
- ③ Heating elements
- ④ Power supply : 100-240 VAC, 50/60 Hz
- 7) Insufflation tubing set
- 8) Full HD Camera Head or 4K Camera Head
 - ① Image Sensor : 1 x 1/2.3" chip or 1cmos
 - ② Full HD image acquisition or True 4k image acquisition
 - ③ Resolution : 1920 x 1080 pixels
 - ④ High quality digital zoom
 - ⑤ ICG Function
- 9) Telescope(10mm, 0°)
 - ① Dimeter : 10 mm
 - ② Direction of view : 0°
 - ③ Working length : 31 cm or more
 - ④ Autoclavable
 - ⑤ ICG Function
- 10) Telescope(10mm, 30°)
 - ① Dimeter : 10 mm
 - ② Direction of view : 30°
 - ③ Working length : 31 cm or more
 - ④ Autoclavable
 - ⑤ ICG Function
- 11) Fiber Optic Light Cable, 300cm, Ø 4.8mm or 4.25mm / 3m / CF TYPE
- 12) Plastic Container for Sterilization
 - ① For Camera head
 - ② Dimension : 385 x 255 x 75 mm (WxDxH) or more
- 13) Plastic Container for Sterilization
 - ① For Telescope
 - ② Dimension : 446 x 90 x 45 mm (WxDxH) or more
- 14) USB Adaptor

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15) Mobile Cart

2. 구 성 품

1) 4K Monitor	· · · · · 1ea
2) Camera Control Unit	· · · · · 1ea
3) Image Link Unit	· · · · · 1ea
4) LED Light Source	· · · · · 1ea
5) Storage System	· · · · · 1ea
6) CO2 Insufflator	· · · · · 1ea
7) Insufflation tubing set	· · · · · 2ea
8) Full HD Camera Head	· · · · · 3ea
9) Telescope 0°	· · · · · 1ea
10) Telescope 30°	· · · · · 1ea
11) Fiber Optic Light Cable	· · · · · 3ea
12) Plastic Container for Sterilization	· · · · · 3ea
13) Plastic Container for Sterilization	· · · · · 1ea
14) USB Adaptor	· · · · · 1ea
15) Mobile Cart	· · · · · 1ea

3. 특 이 사 항

- 1) Operating / Service Manual 각각 제공한다.
- 2) 모든 장비의 구성 및 Accessory는 사양대로 제공할 것.
- 3) 3years Warranty.
- 4) 회사의 최신장비, 최신 Model을 납품.
- 5) PACS or EMR Interface 연동을 위한 구성품 일체(Hardware, Software).
- 6) 사양 검토 시 우리병원에 제출한 모든 것.
- 7) All Software Install program & All service key 제공.

2023. 6.