

규격서

Commodity Description

H.S.K. No	ITEM No.	DESCRIPTION	UNIT	Q'ty
9018902090		4K / 2D Endoscope System	SET	1

A. Feature

- * High-resolution camera system for universal use
- * 4K resolution and modern image processing technology
- * Three visualization technologies for tissue differentiation
- * Adaptability to all requirements through modular technologies
- * Connection possibility for use with up to 3 link modules

B. Specification

1. 32" 4K Monitor

1) Screen diagonal	32"
2) Monitor type	4K monitor
3) Resolution	3840 x 2160 px
4) Aspect ratio	16:09
5) Contrast ratio	1350:01:00
6) Brightness	700 cd/m ²
7) Viewing angle (2D)	178°
8) DC output	5V / 2A
9) RS-232C	1
10) Power supply	100 – 240 VAC
11) Line frequency	50/60 Hz
12) Width	760.8 mm
13) Height	463.8 mm
14) Depth	91.6 mm
15) Weight	13.2 kg
16) 12G-SDI input	1
17) 12G-SDI output	1
18) DisplayPort 1.2 input	1
19) DisplayPort 1.2 output	1
20) HDMI 2.0 input	1
21) DVI-D input	1
22) DVI-D output	1

2. Video System

1) Signal output format (Resoulution)	3840 x 2160 px
2) Fluorescence imaging (NIR/ICG)	Yes
3) Fluorescemce imaging (Blue Light Imaging)	Yes
4) Automatic light source control	Yes
5) S-Technologies	CLARA, CHORMA, SPECTRA A, SPECTRA B
6) Connections	2 x Display port 1,2 1 x DVI-D output 1 x 12G-SDI output 3 x Camera Input camera modules, LAN Connection 4 x USB Connection (2 x Front, 2 x Back) SCB Interface, 2x 6-pin mini-DIN
7) Connect module for use with up to 3 link moules, Image Processing Moulde	
8) Power supply	100-120 VAC/ 200-240 VAC
9) Power frequency	50/60 Hz
10) Dimensions (W x H x D)	305mm (W) x 54mm (H) x 320mm (D)
11) Weight	2.1kg

3. Video System Link

1) Line frequency	50/60 Hz
2) Power supply	100 – 120 VAC, 200 – 240 VAC
3) Width	305 mm
4) Height	54 mm
5) Depth	320 mm
6) Weight	1.86 kg
7) Wipe disinfection	Yes
8) Degree of safety	CF-Defib
9) Brand	IMAGE1 S™ X-LINK

4. Camera Head

1) Image sensor resolution	FULL HD
2) Resolution	1920 x 1080 px
3) Connection	X-Line
4) S-Technologies	No
5) Frame rate	50 / 60 Hz
6) Image sensor type	CMOS
7) Weight	142 g
8) Cable length	300 cm

5. LED Light Source

1) Fluorescence imaging (NIR/ICG)	YES
2) Illumination technology	LED
3) Average lamp service life	30,000 Hours
4) Color temperature approx.	5700 K
5) Dimensions (W*H*D)	305mm x 120mm x 370mm
6) Weight	7.4kg

6. Light Cable

1) Light cable type	Fiber optic
2) Cable connection light source	Straight
3) Cable connection telescope	Straight
4) Fluorescence imaging (NIR/ICG)	Yes
5) Dimensions (Length x Diameter)	300cm * Ø 3.5mm
6) Autoclavable	Yes (at 134°)

7. Video Storage Device

1) Image formats	BMP, PNG, JPEG
2) Video formats	MPEG-4 , MPEG-2, MOV
3) 3D image display	Yes
4) Resolution	SD, HD, FULL HD, 4K UHD
5) Operating system	Windows 10 IoT
6) Remote service	Yes
7) DVI-D output	1
8) Power supply	(AC)/ 100 – 240 VAC
9) Line frequency	50/60 Hz
10) Width	305 mm
11) Height	74.5 mm
12) Depth	355 mm
13) Weight	6 kg
14) Wipe disinfection	Yes
15) Interfaces	DICOM, HL7, network drive, FTP
16) Voice control	Yes
17) WLAN adaptor	Yes, IEEE 802.11ac
18) Electrical protection class	Protection class 1
19) IP protection class	IP20
20) Hard drive capacity	2.5", 2 TB SATA 3
21) Audio	Capture and output
22) USB 3.0	5
23) USB 2.0	4
24) DisplayPort 1.2a input	1
25) HDMI 2.0 input	1
26) HDMI 2.0 output	1
27) DisplayPort 1.2a output	3
28) LAN Ethernet 10, 100, 1000	2
29) COM RS232	3
30) ACC	4
31) LEMO 5-pin for footswitch	1
32) POAG connection	1

8. Video Storage Device Monitor (Screen Touch)

1) Colors	16.7million colors (8 Bits)
2) Life Span	At least 12,000 operating hours
3) Back Light Type	LED
4) Visible diagonal	21.5"
5) Native resolution	1,920 x 1,080 pixels
6) Video Input	DisplayPort 1.2
7) Power connection	8-pin connection
8) Touch signal input	USB-B 2.0
9) Technology	PCAP
10) Support	Windows Linux kernel 3.x.x and 4.x.x
11) Number of points of contact	Max. 10
12) Dimensions (L x W x H)	305 x 355 x 46 mm
13) Weight	6.6 kg

9. Video Storage Device ACC

1) For use with	IMAGE1 CONNECT and AIDA®
2) Connection between	USB and ACC 1/2

10. Plastic Container for Sterilization

1) Dimensions (W x D x H)	385 x 255 x 75 mm
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11. Main Cart (Domestic)

C. Consist of:

No	Cat No.	Description	Q'ty
1)	TM343	32" 4K Monitor	1
2)	TC201EN	Video System	1
3)	TC301	Video System Link	1
4)	TH111	FULL HD Camera Head	1
5)	TL400	ICG LED Light Source	1
6)	495ND	Light Cable	1
7)	WD300-EN	Video Storage Device	1
8)	WM200	Video Storage Device Monitor (Screen Touch)	1
9)	TC009	Video Storage Device ACC	1
10)	39301PHTS	Plastic Container for Sterilization	1
11)	Main Cart	Domestic Cart	1

D. Remark

- 1) 3 Years warranty after the performance test.
- 2) The equipment should be installed by contractor.

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