

图优TUYOU®

//// 深圳市图优医疗影像有限公司

//// Shenzhen TUYOU Medical Imaging Co., Ltd.

//// www.tuyoumedical.com





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A close-up photograph of a surgeon's hands, wearing white latex gloves, holding a medical endoscopy camera. The camera is white and cylindrical, with a blue cable attached to its top. The background is a blurred blue surgical drape. A semi-transparent teal box is overlaid on the right side of the image, containing the number '01' and the product name.

01

Medical Endoscopy Camera With Built-in LED Light Source

Medical Endoscopy Camera with built-in LED Light Source (7" Touch screen with Recorder)

TU-LSD90TA(4K)



TU-LSD90TB(FHD)



Input Interface	4K、1080P
Output Interface	HDMI / SDI
Power Supply	AC110V~240V
Shortcut Key Function	Freeze/white balance/digital zoom
SNR(Signal Noise Ratio)	<45dB
Working Environment Temperature	0°C~40°C
Size	L336*W330*H116mm
Weight	4.2KG

Light Source Specification

Light Source Type	LED
Effective Optical Power	100W
Color Temperature	4500-6500K
Luminous Flux	2400 lm
Bright Adjustment	Support
Luminous Area	3.8mm
Service Life	30000h

Handle Camera

Image Sensor	SONY CMOS
Resolution	4K(3840×2160 pixels) 1080P(1920×1080 pixels)
FREEZE	Support
AWB(White Balance)	Support
D-ZOOM	0-8x
Brightness	1-30 steps
Support Lens Mode	PTED/Fiber/Arthroscope/Cystoscope/Hysteroscope/Laparoscope/ENT/Custom
Support Language	Chinese, English, Japanese, Korean and other languages.
Working Environment Temperature	0°C~40°C

Endoscopy Video Processor

TU-LSD10KA UHD Imaging



TU-LSD10KB FHD Imaging



Input Interface SDI 60fps	4K、1080P
Output Interface	HDMI / SDI/DVI/VGA/CVBS
Power Supply	AC110V~240V
Shortcut Key Function	Freeze/white balance/digital zoom
SNR(Signal Noise Ratio)	<45dB
Working Environment Temperature	0°C~40°C
Size	L336*W330*H116mm
Weight	4.2KG

Handle Camera

Image Sensor	SONY CMOS
Resolution	4K(3840×2160 pixels) 1080P(1920×1080 pixels)
FREEZE	Support
AWB(White Balance)	Support
D-ZOOM	0-8x
Brightness	1-30 steps
Support Lens Mode	PTED/Fiber/Arthroscope/Cystoscope/Hysteroscope/Laparoscope/ENT/Custom
Support Language	Chinese, English, Japanese, Korean and other languages.
Working Environment Temperature	0°C~40°C

Light Source Specification

Light Source Type	LED
Effective Optical Power	100W
Color Temperature	4500-6500K
Brightness	2600 Lm
Bright Adjustment	Support
Luminous Area	3.8mm
Service Life	30000h

Integrated LED Light Source Medical Endoscopy Camera(6" Display with Recorder)

HOT

TV-LSD101A(4K)+TV-LSD101B(FHD)



Input Interface	4K、1080P
Output Interface	HDMI / SDI/DVI/VGA/CVBS
Power Supply	AC110V~240V
U Disk	U disk USB2.0/USB3.0 (up to 32GB) to record and take photos
Shortcut Key Function	Freeze/white balance/digital zoom
SNR(Signal Noise Ratio)	<45dB
Working Environment Temperature	0°C~40°C
Size	L336*W330*H116mm
Weight	4.3KG

Light Source Specification

Light Source Type	LED
Effective Optical Power	100W
Color Temperature	4500-6500K
Luminous Flux	2400 lm
Bright Adjustment	Support
Luminous Area	3.8mm
Service Life	30000h

Handle Camera

Image Sensor	SONY CMOS
Resolution	4K(3840×2160 pixels) 1080P(1920×1080 pixels)
FREEZE	Support
AWB(White Balance)	Support
D-ZOOM	0-8x
Brightness	1-30 steps
Support Lens Mode	PTED/Fiber/Arthroscope/Cystoscope/Hysteroscope/Laparoscope/ENT/Custom
Support Language	Chinese, English, Japanese, Korean and other languages.
Working Environment Temperature	0°C~40°C

Integrated LED Light Source Medical Endoscopy Camera

TV-LSH101A(4K)



TV-LSH101B(FHD)



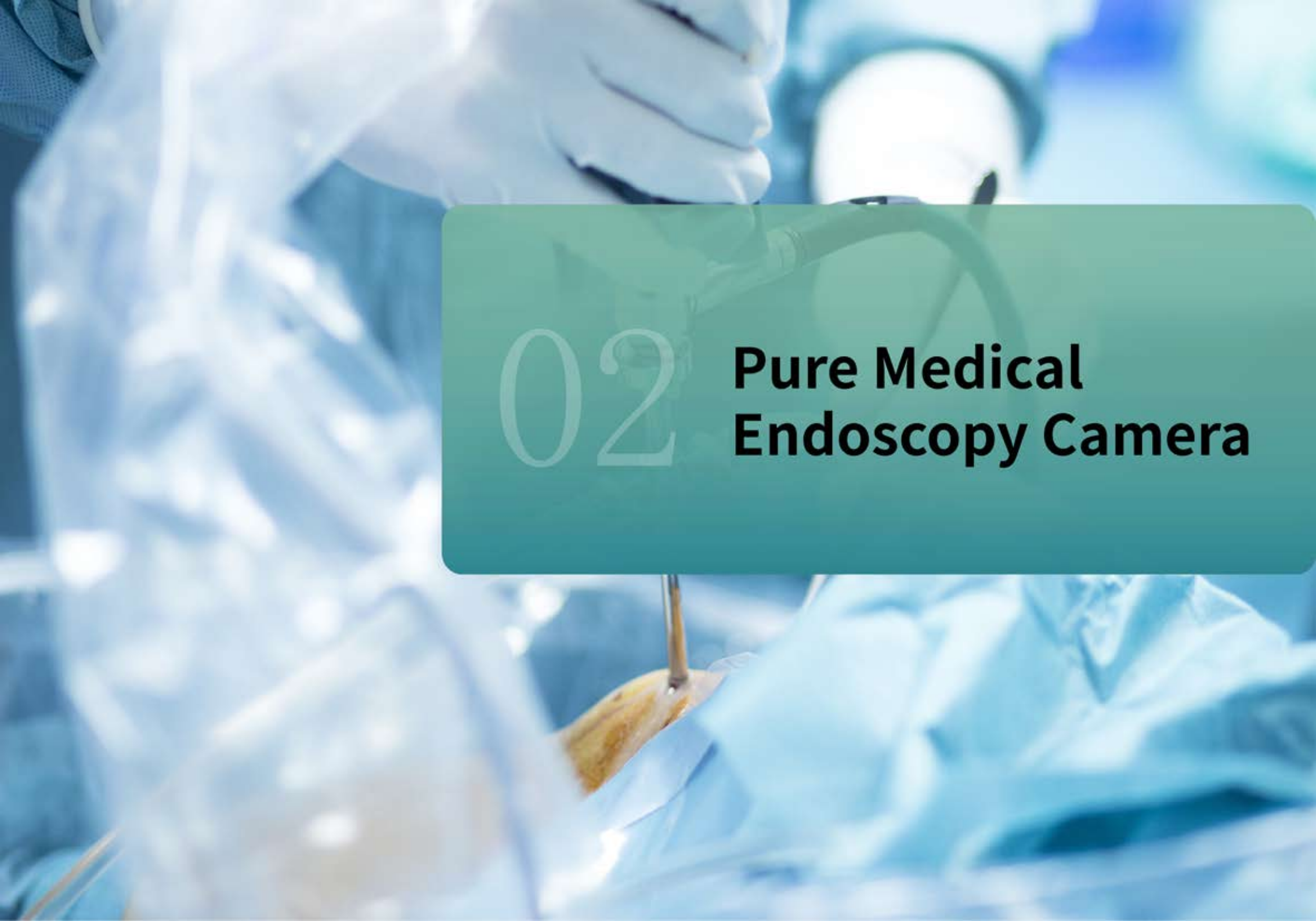
Input Interface	4K、1080P
Output Interface	HDMI / SDI
Power Supply	AC110V~240V
Shortcut Key Function	Freeze/white balance/digital zoom
SNR(Signal Noise Ratio)	<45dB
Working Environment Temperature	0°C~40°C
Size	L336*W330*H116mm
Weight	4.2KG

Light Source Specification

Light Source Type	LED
Effective Optical Power	100W
Color Temperature	4500-6500K
Luminous Flux	2400 lm
Bright Adjustment	Support
Luminous Area	3.8mm
Service Life	30000h

Handle Camera

Image Sensor	SONY CMOS
Resolution	4K(3840×2160 pixels) 1080P(1920×1080 pixels)
FREEZE	Support
AWB(White Balance)	Support
D-ZOOM	0-8x
Brightness	1-30 steps
Support Lens Mode	PTED/Fiber/Arthroscope/Cystoscope/Hysteroscope/Laparoscope/ENT/Custom
Support Language	Chinese, English, Japanese, Korean and other languages.
Working Environment Temperature	0°C~40°C



02

Pure Medical Endoscopy Camera

Pure Medical Digital Video Recorder (7" touch screen)

TU-D90TA(4K)



TU-D90TB(FHD)



Handle Camera

Image Sensor	SONY CMOS
Resolution	4K、1080P
FREEZE	Support
AWB	Support
D-ZOOM	0-8x
Brightness	1-30 steps
Support Lens Mode	PTED/Fiber/Arthroscope/Cystoscope/Hysteroscope/Laparoscope/ENT/Custom
Support Language	Chinese, English, Japanese, Korean and other languages
Working Environment Temperature	0°C~40°C



Endoscope Camera System

Input Interface	4K、1080P
Output Interface	HDMI/DVI/VGA/SDI/CVBS
Keypad Control	Control the motherboard menu and shortcut keys through RX/TX
Power Supply	AC110V~240V
U Disk	U disk USB2.0/USB3.0 (up to 32GB) to record and take photos
Shortcut Key Function	Freeze/white balance/video/photograph/digital zoom
SNR(Signal Noise Ratio)	<45dB
Working environment temperature	0°C~40°C
Size	L336*W330*H116mm
Weight	3.9KG

Medical Endoscopy Camera(6" Display with Recorder)

HOT

TV-D101A(4K)



TV-D101B(FHD)



Handle Camera

Image Sensor	SONY CMOS
Resolution	4K、1080P
FREEZE	Support
AWB	Support
D-ZOOM	0-8x
Brightness	1-30 steps
Support Lens Mode	PTED/Fiber/Arthroscope/Cystoscope/Hysteroscope/Laparoscope/ENT/Custom
Support Language	Chinese, English, Japanese, Korean and other languages
Working Environment Temperature	0°C~40°C

Endoscope Camera System

Resolution	4K(3840×2160 pixels) 1080P(1920×1080 pixels)
Output Interface	HDMI/DVI/VGA/SDI/CVBS
Keypad Control	Control the motherboard menu and shortcut keys through RX/TX
Power Supply	AC110V~240V
U Disk	U disk USB2.0/USB3.0 (up to 32GB) to record and take photos
Shortcut Key Function	Freeze/white balance/video/photograph/digital zoom
SNR(Signal Noise Ratio)	<45dB
Working environment temperature	0°C~40°C
Size	L336*W330*H116mm
Weight	3.9KG

Full HD Medical Endoscopy Camera (with Recorder)

TU-PY105



HOT

Handle Camera

Image Sensor	SONY CMOS
Resolution	1080P
FREEZE	Support
AWB	Support
D-ZOOM	0-8x
Brightness	1-30 steps
Support Lens Mode	PTED/Fiber/Arthroscope/Cystoscope/Hysteroscope/Laparoscope/ENT/Custom
Support Language	Chinese, English, Japanese, Korean and other languages
Working Environment Temperature	0°C~40°C

Endoscope Camera System

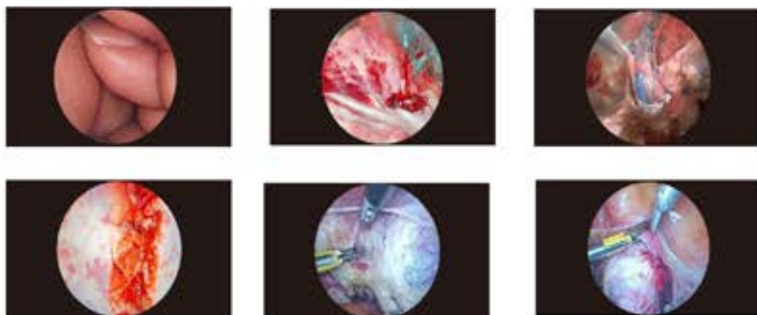
Input Interface	1080P
Output Interface	HDMI/DVI/VGA/SDI/CVBS
Keypad Control	Control the motherboard menu and shortcut keys through RX/TX
Power Supply	AC110V~240V
U Disk	U disk USB2.0*2 (up to 32GB) to record and take photos
Shortcut Key Function	Freeze/white balance/video/photograph/digital zoom
SNR(Signal Noise Ratio)	<45dB
Working environment temperature	0°C~40°C
Size	L336*W330*H116mm
Weight	3.5KG

1080P FHD Endoscope Camera System (Touch Screen)

TU-PY460T



Product Size: L32cm*W23.5cm*H9cm



*Different Mode, different environment of the actual effect chart



1080P

- EXCELLENT 1080P RESOLUTION
- MAX.PIXEL1920*1080



- MULTIPLE MODES OPTIONAL
- PTED/Fiber/Arthroscope/Cystoscope/Hysteroscope/Laparoscope/ENT/Custom mode selection



- DIGITAL ZOOM
- 0 -8X digital zoom fiber, custom in to observe the shadow and lesion



- HIGH QUALITY IMAGING SENSOR
- SONY CMOS



- SCREEN FREEZE
- The picture can be frozen for observation and of the mutation



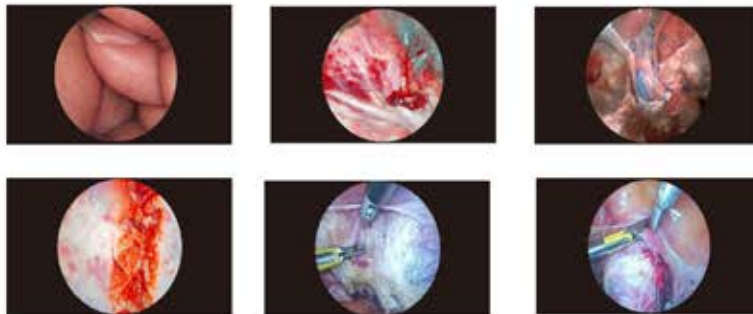
- AWB AND BRIGHTNESS
- One key white balance,1 to 30 brightness can be manual adjust

1080P FHD Endoscope Camera System(with DC5V power supply)

TU-PY104



Product Size: L32cm*W23.5cm*H9cm



*Different Mode, different environment of the actual effect chart



1080P

- EXCELLENT 1080P RESOLUTION
- MAX.PIXEL1920*1080



- MULTIPLE MODES OPTIONAL
- PTED/Fiber/Arthroscope/Cystoscope/Hysteroscope/Laparoscope/ENT/Custom mode selection



- DIGITAL ZOOM
- 0 -8X digital zoom fiber, custom in to observe the shadow and lesion



- HIGH QUALITY IMAGING SENSOR
- SONY CMOS



- SCREEN FREEZE
- The picture can be frozen for observation and of the mutation



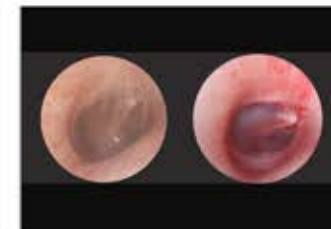
- AWB AND BRIGHTNESS
- One key white balance,1 to 30 brightness can be manual adjust

Medical 4 Pictures Devide Video Camera(for E.N.T)

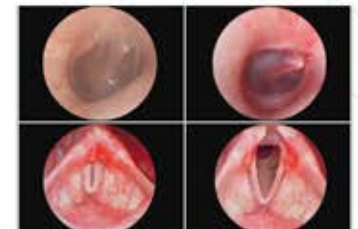
TU-D1600T



1 Frame



2 Frame



4 Frame

Handle Camera

Image Sensor	SONY CMOS
Resolution	1080P
FREEZE	Support
AWB	Support
D-ZOOM	0-8x
Brightness	1-30 steps
Support Lens Mode	ENT
Support Language	Chinese, English, Japanese, Korean and other languages
Working Environment Temperature	0°C~40°C

Endoscope Camera System

Input Interface	1080P
Output Interface	HDMI
Keypad Control	Control the motherboard menu and shortcut keys through RX/TX
Power Supply	AC110V~240V
U Disk	U disk USB2.0 (up to 32GB) to record and take photos
Function	Photo, video local playback
SNR(Signal Noise Ratio)	<45dB
Working environmen temperature	0°C~40°C
Size	L336*W330*H116mm
Weight	3.5KG

CVBS Endoscopy Imaging System(720P Analog signal output)

TU-PY102



CVBS endoscope camera system is an easy-to-use ENT endoscope, CVBS signal input, VGA/CVBS output, widely used in ENT departments.

720P CVBS Endoscopy Imaging System

Input	CVBS(800TVL)
Output	VGA+CVBS
Effective Pixel	960 (H) x576 (V)
OSD MENU	UP、DOWN、LEFT、RIGHT、MENUbutton
Image Sensor	1/3" Sony CMOS
Output Resolution	960H (50/60fps)
Brightness	1-20 steps
Sharpness	1-10 steps
Backlight	OFF/BLC/HLC/WDR
AWB	AUTO/MANUAL
FREZZ	SUPPORT
D-ZOOM	0-8x
Working environment temperature	0°C~ 40°C
Support Language	Chinese, English, Japanese, Korean and other languages
Power Supply	AC110-240V



03

**All in one
endoscopic camera**

Endoscopy Video Processor

TU-15LSD1A UHD Imaging



TU-15LSD1B FHD Imaging



Input Interface SDI 60fps	4K、1080P
Output Interface	HDMI / SDI/DVI/VGA/CVBS
Power Supply	AC110V~240V
Shortcut Key Function	Freeze/white balance/digital zoom
SNR(Signal Noise Ratio)	<45dB
Working Environment Temperature	0°C~40°C
Size	L336*W330*H116mm
Weight	4.2KG

Handle Camera

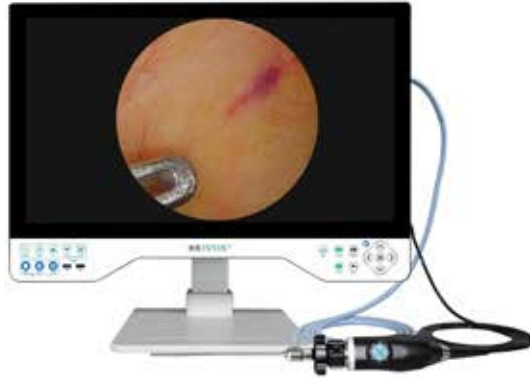
Image Sensor	SONY CMOS
Resolution	4K(3840×2160 pixels) 1080P(1920×1080 pixels)
FREEZE	Support
AWB(White Balance)	Support
D-ZOOM	0-8x
Brightness	1-30 steps
Support Lens Mode	PTED/Fiber/Arthroscope/Cystoscope/Hysteroscope/Laparoscope/ENT/Custom
Support Language	Chinese, English, Japanese, Korean and other languages.
Working Environment Temperature	0°C~40°C

Light Source Specification

Light Source Type	LED
Effective Optical Power	100W
Color Temperature	4500-6500K
Brightness	2600 Lm
Bright Adjustment	Support
Luminous Area	3.8mm
Service Life	30000h

Endoscopy Video Processor

TU-24LSD1A UHD Imaging



TU-24LSD1B FHD Imaging



Input Interface SDI 60fps	4K、1080P
Output Interface	HDMI / SDI/DVI/VGA/CVBS
Power Supply	AC110V~240V
Shortcut Key Function	Freeze/white balance/digital zoom
SNR(Signal Noise Ratio)	<45dB
Working Environment Temperature	0°C~40°C
Size	L336*W330*H116mm
Weight	4.2KG

Handle Camera

Image Sensor	SONY CMOS
Resolution	4K(3840×2160 pixels) 1080P(1920×1080 pixels)
FREEZE	Support
AWB(White Balance)	Support
D-ZOOM	0-8x
Brightness	1-30 steps
Support Lens Mode	PTED/Fiber/Arthroscope/Cystoscope/Hysteroscope/Laparoscope/ENT/Custom
Support Language	Chinese, English, Japanese, Korean and other languages.
Working Environment Temperature	0°C~40°C

Light Source Specification

Light Source Type	LED
Effective Optical Power	100W
Color Temperature	4500-6500K
Brightness	2600 Lm
Bright Adjustment	Support
Luminous Area	3.8mm
Service Life	30000h

Endoscopy Video Processor

TU-27LSD1B FHD Imaging



TU-27LSD1A UHD Imaging



Part 3 All-in-one endoscopic camera system of 27inch FHD/4K

Input Interface SDI 60fps	4K、1080P
Output Interface	HDMI / SDI/DVI/VGA/CVBS
Power Supply	AC110V~240V
Shortcut Key Function	Freeze/white balance/digital zoom
SNR(Signal Noise Ratio)	<45dB
Working Environment Temperature	0°C~40°C
Size	L336*W330*H116mm
Weight	4.2KG

Handle Camera

Image Sensor	SONY CMOS
Resolution	4K(3840×2160 pixels) 1080P(1920×1080 pixels)
FREEZE	Support
AWB(White Balance)	Support
D-ZOOM	0-8x
Brightness	1-30 steps
Support Lens Mode	PTED/Fiber/Arthroscope/Cystoscope/Hysteroscope/Laparoscope/ENT/Custom
Support Language	Chinese, English, Japanese, Korean and other languages.
Working Environment Temperature	0°C~40°C

Light Source Specification

Light Source Type	LED
Effective Optical Power	100W
Color Temperature	4500-6500K
Brightness	2600 Lm
Bright Adjustment	Support
Luminous Area	3.8mm
Service Life	30000h

Endoscopy Video Processor

TU-32LSD1A UHD Imaging



Part 3 All-in-one endoscopic camera system of 32inch 4K

Input Interface SDI 60fps	4K
Output Interface	HDMI / SDI/DVI/VGA/CVBS
Power Supply	AC110V~240V
Shortcut Key Function	Freeze/white balance/digital zoom
SNR(Signal Noise Ratio)	<45dB
Working Environment Temperature	0°C~40°C
Size	L336*W330*H116mm
Weight	4.2KG

Handle Camera

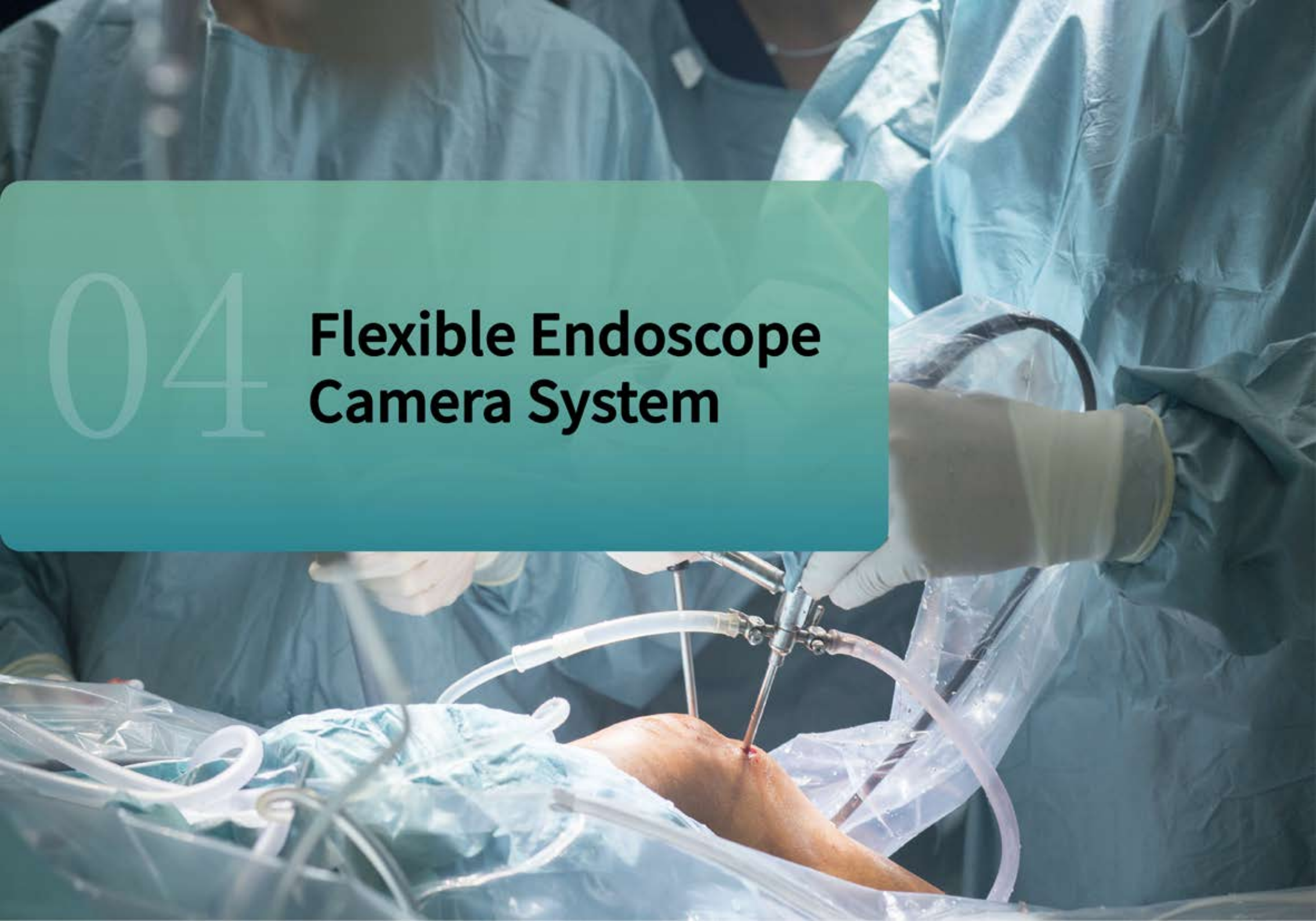
Image Sensor	SONY CMOS
Resolution	4K(3840×2160 pixels)
FREEZE	Support
AWB(White Balance)	Support
D-ZOOM	0-8x
Brightness	1-30 steps
Support Lens Mode	PTED/Fiber/Arthroscope/Cystoscope/Hysteroscope/Laparoscope/ENT/Custom
Support Language	Chinese, English, Japanese, Korean and other languages.
Working Environment Temperature	0°C~40°C

Light Source Specification

Light Source Type	LED
Effective Optical Power	100W
Color Temperature	4500-6500K
Brightness	2600 Lm
Bright Adjustment	Support
Luminous Area	3.8mm
Service Life	30000h

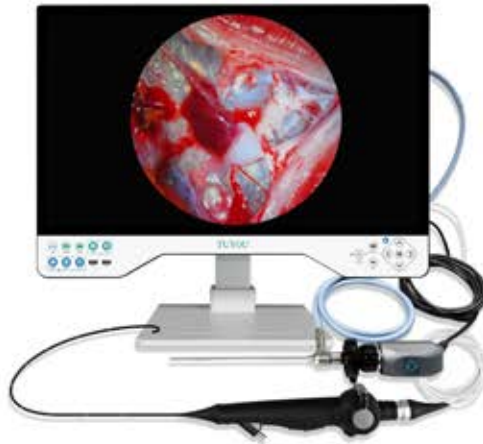
04

Flexible Endoscope Camera System



All-in-one endoscopic camera system 15inch&24inch

HOT



Flexible endoscope
(Reusable)



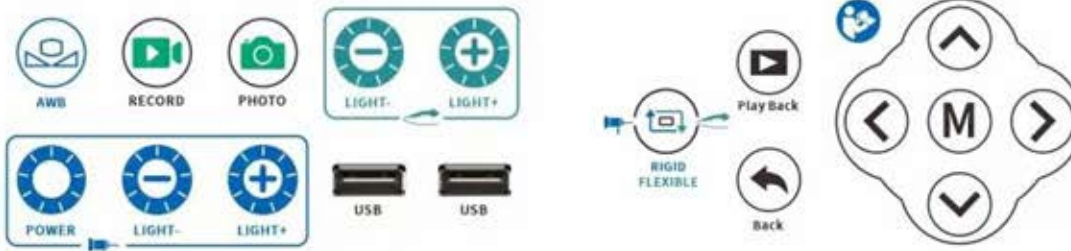
Flexible endoscope
(Disposable)



Rigid endoscope

Flexible and Rigid Dual System

Monitor	15 24inch
Resolution	1080P
Output Interface	HDMI / SDI/DVI/VGA/CVBS
Effective Optical Power	100W
Power Supply	AC110V~240V
U Disk	U disk USB2.0/USB3.0 (up to 32GB)
Shortcut Key Function	Freeze/white balance/digital zoom
SNR(Signal Noise Ratio)	<45dB
Working Environment Temperature	0°C~40°C
USB record	Support, can playback



Flexible and Rigid Endoscope Imaging System



Flexible Endoscope Parameters

Spec.	Dia. of the tip head(mm)	Insert part dia.(mm)	Inner dia. of work passage(mm)	Bending angle up and down	Working Length(mm)	Field of View	Depth of Field (mm)
	3.2	3.2	1.2	210°/210°	600	100°	3-50
	4.8	5.2	2	210°/210°	600	100°	3-50
	5.5	5.8	2.8	210°/210°	600	100°	3-50

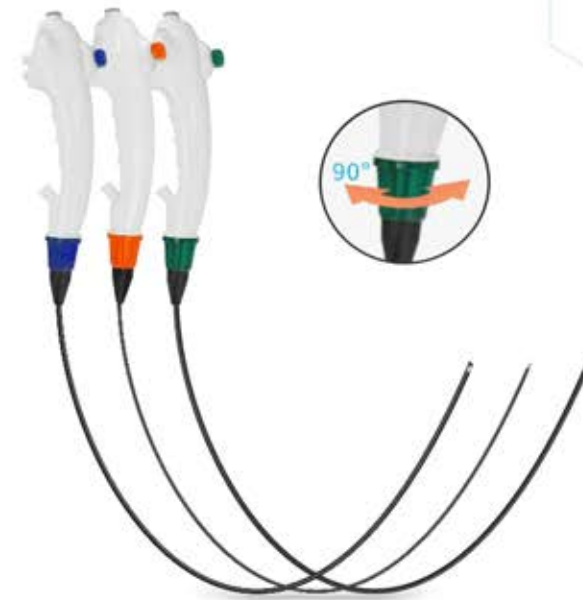
Handle Camera

Sensor	SONY CMOS
Resolution	1080P
D-ZOOM	0-8X
Function	Freeze、AWB、Zoom in、Zoom out
Waterproof	IP67
Cable Length	3M

Flexible and Rigid Endoscope System

Input Interface	1080P
Output Interface	HDMI / SDI/DVI/VGA/CVBS
Power Supply	AC110V~240V
U Disk	U disk USB2.0/USB3.0 (up to 32GB) to record and take photos
Shortcut Key Function	Freeze/white balance/digital zoom
SNR(Signal Noise Ratio)	<45dB
Working Environment Temperature	0°C~40°C
Size	L336*W330*H116mm
Weight	4.3KG

Disposable Flexible Video Endoscope System



Parameters

Spec.	Dia. of the tip head (mm)	Insert part dia. (mm)	Inner dia. of work passage (mm)	Bending angle up and down	Working Length (mm)	Field of View	Depth of Field (mm)
	3.2	3.2	1.2	210°/210°	600	100°	3-50
	4.8	5.2	2	210°/210°	600	100°	3-50
	5.5	5.8	2.8	210°/210°	600	100°	3-50

HOT

Reusable Flexible Endoscope System

Monitor

Item No.	TU-HSB350
Resolution	640*480
Power Supply	DC5V
Available angle	Horizontal 180°, Vertical up160° /down30°
Monitor Size	3.5 inch



Parameters

Spec.	Dia. of the tip head (mm)	Insert part dia. (mm)	Inner dia. of work passage (mm)	Bending angle up and down	Working Length (mm)
	2.8±10%	3.2	1.2±10%	UP≥180° Down≥180°	600±15%
	4.8±10%	5.2	2.6±10%	UP≥180° Down≥180°	600±15%
	5.8±10%	5.8	3.2±10%	UP≥180° Down≥180°	600±15%

Reusable Flexible Endoscope System

HOT

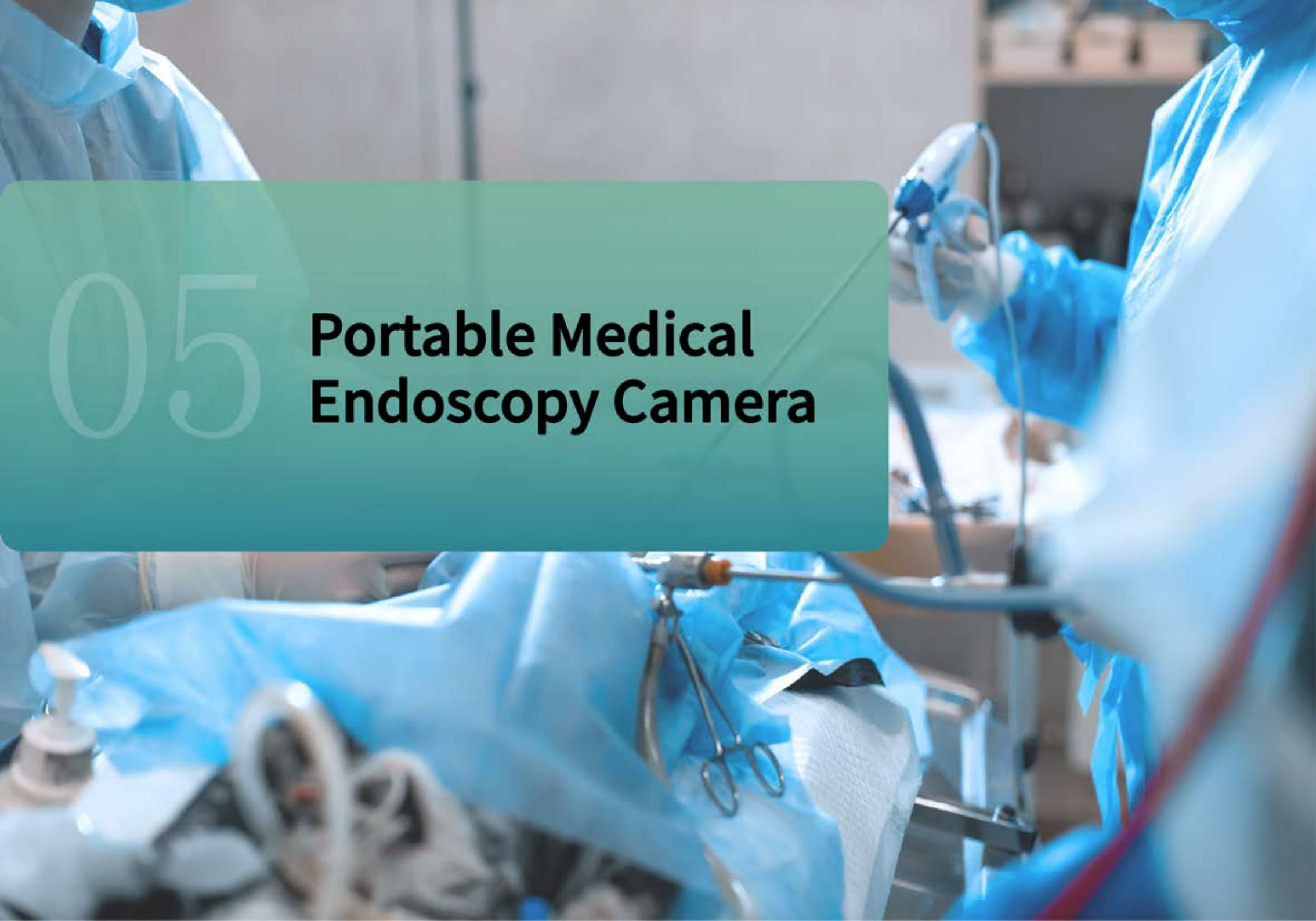
Monitor

Item No.	TU-HSB121
Resolution	1280*800
Power Supply	DC12V
Available angle	Horizontal 180°, Vertical up160° /down30°
Monitor Size	12 inch



Parameters

Spec.	Dia. of the tip head (mm)	Insert part dia. (mm)	Inner dia. of work passage (mm)	Bending angle up and down	Working Length (mm)
	2.8±10%	3.2	1.2±10%	UP≥180° Down≥180°	600±15%
	4.8±10%	5.2	2.6±10%	UP≥180° Down≥180°	600±15%
	5.8±10%	5.8	3.2±10%	UP≥180° Down≥180°	600±15%



05

Portable Medical Endoscopy Camera

1080P Portable Endoscopy Camera System

TU-Y2HC



**HD
1080P**

High Resolution



AWB



HDMI Output



CVBS Output



FREEZE



0-8X D-Zoom

Handle Camera

Image Sensor	SONY CMOS
Resolution	1080P
D-ZOOM	0-8X
Function	Freeze, AWB, Zoom in, Zoom out
Waterproof	IP67
Cable Length	3M

Endoscope Processor

Resolution	SDI 1080P
Output	CVBS+HDMI
Power Supply	DC12V
Consumption	1.2 W
Working environment temperature	0°C-40 °C
Size	115x90x36mm

1080P Portable Endoscopy Camera System

TU-1080PHDMI



**HD
1080P**

High Resolution



AWB



HDMI Output



SDI Output



FREEZE



0-8X D-Zoom

Handle Camera

Image Sensor	SONY CMOS
Resolution	1080P
D-ZOOM	0-8X
Function	Freeze、AWB、Zoom in、Zoom out
Waterproof	IP67
Cable Length	3M

Endoscope Processor

Resolution	SDI 1080P
Output	SDI+HDMI
Power Supply	DC12V
Consumption	1.2 W
Working environment temperature	0°C-40 °C
Size	115x90x36mm

1080P Portable 3 output Endoscopy Camera System

TU-Y3HDS



**HD
1080P**
High Resolution


AWB


FREEZE


HDMI Output


SDI Output


DVI Output

Handle Camera

Image Sensor	SONY CMOS
Resolution	1080P
D-ZOOM	0-8X
Function	Freeze、AWB、Zoom in、Zoom out
Waterproof	IP67
Cable Length	3M

Endoscope Processor

Resolution	SDI 1080P
Output	SDI+DVI+HDMI
Power Supply	DC12V
Consumption	1.2 W
Working environment temperature	0°C-40 °C

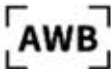
HOT

USB3.0 Endoscope Handle Camera

TU-1080PUSB



USB3.0 Interface



AWB



1080P HD



USB-HID

USB 3.0 Handheld Camera

Image Sensor	1/2.8" SONY CMOS
Effective Pixels	1945(H) × 1109(V)Approx. 2.16M pixels
Scanning Mode	Progressive
Resolution	1920X1080P
USB Output	USB3.0
Power Supply	DC 5V ±10%(USB Power)
Working Current	250mA±10mA
Working Environment Temperature	0°C ~ 40°C
AWB	AWB
Support Language	CN/JP/KR/EN and others

A photograph of a surgical team in an operating room. Two surgeons in blue scrubs and masks are visible. One surgeon is holding a long, thin, flexible medical device, possibly a laparoscopic instrument. The background shows various medical monitors and equipment. A green semi-transparent box is overlaid on the left side of the image, containing the number '06' and the text 'Medical Cold Light Source'.

06

Medical Cold Light Source

Light Source for Endoscope



Battery Light Source



120W Light Source



USB Light Source



100W Light Source



Endoscope Cold Light Source(Touch screen)

TU-LS90TG



- Strong magnetic anti-interference, light stability;
- 50000 hours service life;
- 120W high brightness, high energy and low power consumption lamp bead;
- 500K-6500K color temperature =natural light
- 92 color rendering index=high degree of reduction
- 0-100 digital display=more intuitive
- Knob adjustment=convenient and efficient
- High temperature resistant optical fiber, long service time and corrosion resistant

System Parameters

Rated Power	120W
Luminous Flux	2600 lm
Color Temperature	4500-6500K
Brightness	0-100
Luminous Area	7.7 (mm ²)
CRI	92
Maximum Current	0.8A
Power Supply	AC 110-240V
Product Size	L336*W330*H116mm
Product Weight	5.5KG
Working Environment Temperature	0°C~40°C
Service Life	50000h

HOT

Endoscope Cold Light Source

TV-LS101G



- Strong magnetic anti-interference, light stability;
- 50000 hours service life;
- 120W high brightness, high energy and low power consumption lamp bead;
- 500K-6500K color temperature =natural light
- 92 color rendering index=high degree of reduction
- 0-100 digital display=more intuitive
- Knob adjustment=convenient and efficient
- High temperature resistant optical fiber, long service time and corrosion resistant

System Parameters

Rated Power	120W
Luminous Flux	2600 lm
Color Temperature	4500-6500K
Brightness	0-100
Luminous Area	7.7 (mm ²)
CRI	92
Maximum Current	0.8A
Power Supply	AC 110-240V
Product Size	L336*W330*H116mm
Product Weight	5.5KG
Working Environment Temperature	0°C~40°C
Service Life	50000h

Endoscope Cold Light Source

TU-GY100A



System Parameters

- 30000 hours service life;
- 100W high brightness, high energy and low power consumption lamp bead;
- 500K-6500K color temperature =natural light
- 92 color rendering index=high degree of reduction
- 0-100 digital display=more intuitive
- Knob adjustment=convenient and efficient
- High temperature resistant optical fiber, long service time and corrosion resistant

Rated Power	100W
Luminous Flux	2400 lm
Color Temperature	4500-6500K
Brightness	0-100
Luminous Area	7.7 (mm ²)
CRI	92
Maximum Current	0.8A
Power Supply	AC 110-240V
Product Size	L336*W330*H116mm
Product Weight	5.5KG
Working Environment Temperature	0°C~40°C
Service Life	30000h

Portable Cold Light Source - USB type

TU-LS102UG

121 Lm

Good light flux, good illumination

USB Continuous Power Supply

5V USB Power supply, Long time service

Color Temperature

5200K ~ 6200K

10W LED

High luminescence rate, long lifespan

Metal Shell

Good cooling performance,
Waterproof IP67

Color Rendering Index

≥90



Portable Cold Light Source - Battery Type

TU-LS101BG



18650 Lithiumion battery

Color Temperature: 5700K±500K

Light flux: **121 Lumen**

10W LED Cold Light Source

Metal shell, Waterproof IP67

Color rendering index: ≥90

Features:

- * Innovative structure: Portable, convenient to use and take along
- * Compatible use: It can be connected to endoscopes;
- * More: Toxin-free, environmentally friendly;
- * Advantages: long lifespan, cold light source, no heat radiation, high energy and uniform illumination;
- * The latest high-energy, low-power, high luminous flux, quickly brightened, uniform illumination, and wide angle;
- * **If you order directly by yourself, it will be shipped without batteries because of the shipping way limited.**



07

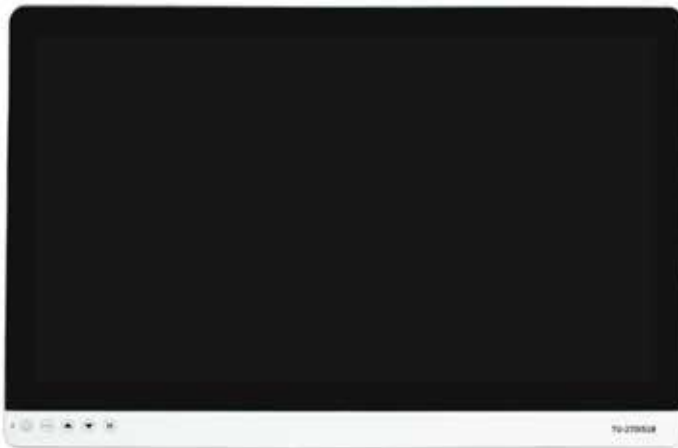
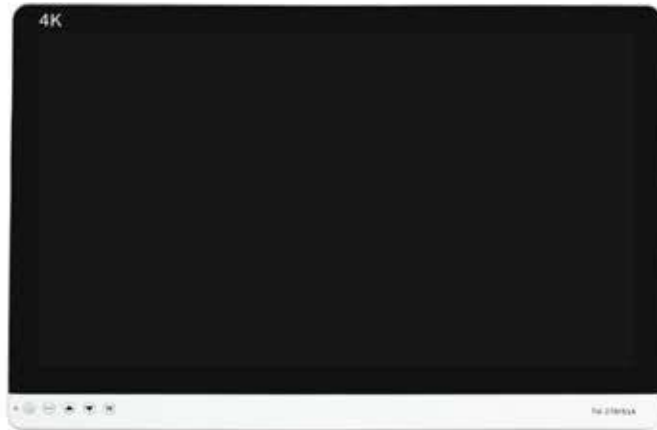
Medical Grade Monitor

Medical Grade Monitor (32Inch)



- 4K resolution is available.
- Size: 32"
- Metal stand is rotatable and the height can be adjusted;
- Response time:14ms;
- Accurate color rendering;
- ODS menu, adjustable parameters ;
- Compliance with operating room sterilization and anti-interference requirements;
- Multiple interface types, strong applicability
- Excellent Layering,bright and permeable screen,providing clear surgical images.

Medical Grade Monitor (27Inch)



- 4K/FHD resolution is available.
- Size: 27"
- Metal stand is rotatable and the height can be adjusted;
- Response time:14ms;
- Accurate color rendering;
- ODS menu, adjustable parameters ;
- Compliance with operating room sterilization and anti-interference requirements;
- Multiple interface types, strong applicability
- Excellent Layering,bright and permeable screen,providing clear surgical images.

Medical Grade Monitor 22" 24"



- FHD resolution is available.
- Size: 22"/24"/27"

- Metal stand is rotatable and the height can be adjusted;
- Response time:14ms;
- Accurate color rendering;
- ODS menu, adjustable parameters ;
- Compliance with operating room sterilization and anti-interference requirements;
- Multiple interface types, strong applicability
- Excellent Layering,bright and permeable screen,providing clear surgical images.



Medical Grade Monitor (FHD)

215MA-White



Model number	215MA-White
Sizes	21.5inch
Resolution	1920*1080
Luminance	350
Contrast	1000:1
Colour gamut	72
Angle on sth	panoramic IPS
Functional interface	BNC/VGA/USB/HDMI/6PIN Aviation
Weights	4.7KG(4Units/boxes)15KG)
Power supply	12V3.3A

Medical Grade Monitor (FHD)

240MA-White



Model number	240MAMA-White
Sizes	24
Resolution	1920*1080
Luminance	350
Contrast	1000:1
Colour gamut	72
Angle on sth	panoramic IPS
Functional interface	BNC/VGA/USB/HDMI/6PIN Aviation
Weights	5.9KG (3 units/carton, 18KG)
Power supply	12V3.3A
Product dimensions	559*341*42MM



08

Optic Rigid Endoscopes

Optic Endoscopes

Otoscope

TUE-EJ

EJ00.01 $\phi 2.7 \times 110 \text{mm}$ 0°
EJ30.01 $\phi 2.7 \times 110 \text{mm}$ 30°
EJ00.02 $\phi 2.7 \times 60 \text{mm}$ 0°
EJ00.04 $\phi 2.7 \times 90 \text{mm}$ 0°
EJ00.06 $\phi 3.0 \times 90 \text{mm}$ 0°
EJ00.03 $\phi 3.0 \times 110 \text{mm}$ 0°
EJ30.03 $\phi 3.0 \times 110 \text{mm}$ 30°
EJ00.05 $\phi 3.0 \times 60 \text{mm}$ 0°



Sinuscope

TUE-BDJ

BDJ00.01 $\phi 4 \times 175 \text{mm}$ 0°
BDJ30.01 $\phi 4 \times 175 \text{mm}$ 30°
BDJ45.01 $\phi 4 \times 175 \text{mm}$ 45°
BDJ70.01 $\phi 4 \times 175 \text{mm}$ 70°
BDJ00.02 $\phi 2.7 \times 140 \text{mm}$ 0°
BDJ00.04 $\phi 2.7 \times 175 \text{mm}$ 0°
BDJ30.03 $\phi 2.7 \times 175 \text{mm}$ 30°
BDJ00.03 $\phi 3.0 \times 140 \text{mm}$ 0°
BDJ00.05 $\phi 3.0 \times 175 \text{mm}$ 0°
BDJ30.04 $\phi 3.0 \times 175 \text{mm}$ 30°
BDJ00.06 $\phi 4.0 \times 110 \text{mm}$ 0°



Laryngoscope

TUE-HJ

HJ70.01 $\phi 8 \times 185 \text{mm}$ 70°
HJ90.01 $\phi 8 \times 185 \text{mm}$ 90°
HJ70.02 $\phi 6 \times 185 \text{mm}$ 70°



Optic Endoscopes

Laryngoscope

TUE-HJ

HJ00.01 $\phi 4 \times 185 \text{mm}$ 0°
HJ12.01 $\phi 4 \times 185 \text{mm}$ 12°
HJ12.02 $\phi 4 \times 185 \text{mm}$ 12° (opposite direction)



Laparoscope

TUE-FQJ

FQJ00.01 $\phi 10 \times 330 \text{mm}$ 0°
FQJ00.01 $\phi 10 \times 330 \text{mm}$ 30°



Cystoscope

TU-PGJ

PGJ00.01 $\phi 4 \text{mm} \times 302 \text{mm}$ 0°
PGJ30.01 $\phi 4 \text{mm} \times 302 \text{mm}$ 30°
PGJ70.01 $\phi 4 \text{mm} \times 302 \text{mm}$ 70°



图优TUYOU®

THANKS!

www.tuyoumedical.com