YIKEDA ®

4K ULTRAHD

CLASSICS FROM INNOVATION

Endoscopy devices

ISO 13485:2016 CE 1023 FDA REGISTERED 3009877781 TÜVRheinland

Xuzhou AKX Electronic Science and Technology Co.,Ltd

IKEDA®

Company Profile

Xuzhou AKX Electronic Science and Technology Co.,Ltd is a high-tech enterprise that committed to research, production, sale and service of medical imaging systems.Since the establishment, it has made all efforts with unflinching courage, developed a quality policy of "Customer Demand Centered, Production Management Based, Independent Innovation for Development, Continuous Improvement" in Quality System and established advanced quality assurance system. Besides, it has been implementing ISO13485 Quality Management System, ERP Management System , CE certicates and FDA Registration.

After 14 years experience of development, our company has already become to a leading manufacturer specializing in electronic digital colposcopes and endoscope camera at home and abroad.Our company is always striving to provide better prodcuts and pursuing technological advances in the industry, Meanwhile Our company has continued to enhance and improve the design,specifications and functionality of our products to maintain leading competitor in the market. The company's products have been distributed in many countries abroad and Provide OEM services for many international well-known brands in this industry, It is worth mentioning that IKEDA brand products have been unanimously praised by customers at home and abroad.

USA FDA Registration （NO. 3009877781）

European Community Medical Device CE Certification

EN ISO 13485 .2016 quality management system certification

IPX level 8

Waterproof camera head

Universal C-mount coupler to meet the adaptation needs of rigid/flexible endoscopes (compatible with different brand endoscopes, such as laparoscope, resectoscope, cystoscope, hysteroscope, sinusoscope, arthroscopy Etc., and fiber flexible endoscopes).
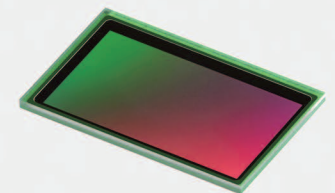
4 Function buttons

Photo capture

Auto White balance

Zoom in / Zoom out

Built-in CMOS full HD camera image sensor

All metal design texture

IPX8 waterproof camera

Full HD optical coupler C-mount standard

YKD-9100

FULL HD Endoscope System

YIKEDA ®

FEATURES

○ Built-in 19-inch high-definition monitor, showing more organizational details, to ensure the safety of surgery;

○ Built-in high-definition imaging workstation, examination/surgery mode, one-key switching;

○ The integrated design of LED cold light source and camera saves space and is convenient to carry;

○ Built-in USB full high-definition image storage, Photo capture/Video recording function;

○ IPX8 waterproof camera head;

Parameter configuration

Product number	YKD-9100
Camera	1/2.8inch SONY CMOS HD Camera
Pixel	2100,000 pixels
Image size(Horizontal×Vertical)	1920×1080p
Scanning system	Progressive Scanning
Frame rate	(1920×1080)60p
SNR	≥50dB
Video output	By"DVI,HDMI,CVBS"Video output
Horizon resolution	1080 Lines
Monitor	19 inch HD medical Monitor
Light source	Buit-in 80W LED cold light source
Built-in imaging work-station(optional)	

YKD-9101

## FULL HD Endoscope System

YIKEDA®

FEATURES

- ○ Built-in 19-inch high-definition monitor, showing more organizational details, to ensure the safety of surgery;

- ○ The integrated design of LED cold light source and camera saves space and is convenient to carry;

- ○ Built-in USB full high-definition image storage, Photo capture/Video recording function;

- ○ IPX8 waterproof camera head;

Parameter configuration

Product number	YKD-9101
Camera	1/2.8inch SONY CMOS HD Camera
Pixel	2100,000 pixels
Image size(Horizontal×Vertical)	1920×1080p
Scanning system	Progressive Scanning
Frame rate	(1920×1080)60p
SNR	≥50dB
Video output	By"DVI,HDMI,CVBS"Video output
Horizon resolution	1080 Lines
Monitor	19 inch HD medical Monitor
Light source	Buit-in 80W LED cold light source

YKD-9102

FULL HD Endoscope System
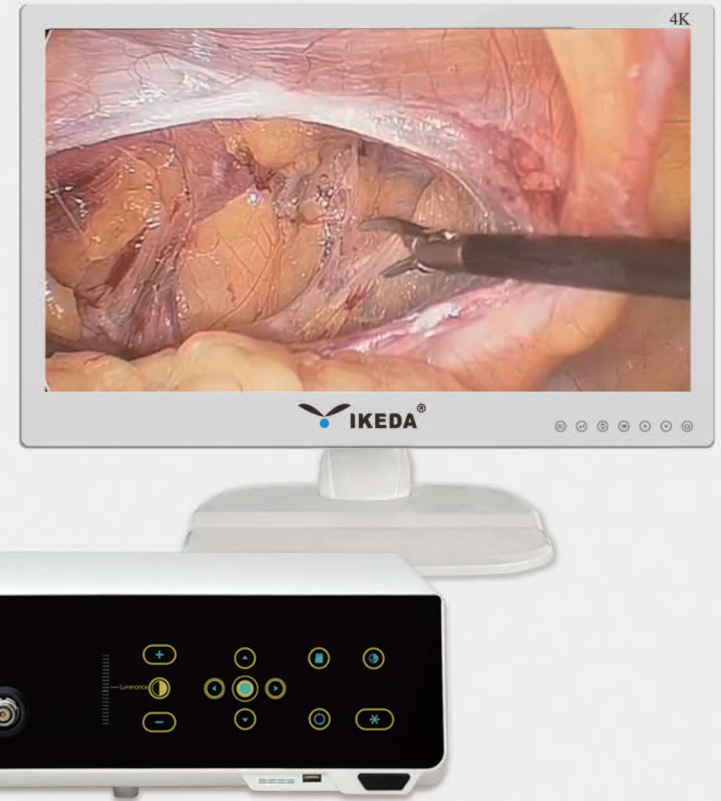
FEATURES

○ Built-in LED cold light source;

○ Built-in USB full high-definition image storage,
   Photo capture/Video recording function;

○ The integrated design of LED cold light source and camera
   saves space and is convenient to carry;

○ IPX8 waterproof camera head;

Parameter configuration

Product number	YKD-9102
Camera	1/2.8 inch Sony CMOS HD camera
Pixel	2100,000 pixels
Image size(Horizontal×Vertical)	1920×1080p
Scanning system	Progressive Scanning
Frame rate	(1920×1080)60p
SNR	≥50dB
Video output	By "DVI, HDMI, CVBS" video output
Horizon resolution	1080 lines
Light source	Built-in 80W LED cold light source
Function	USB storage

YKD-9103

FULL HD Endoscope System

YIKEDA®

FEATURES

○ Built-in USB full high-definition image storage, Photo capture/Video recording function;

○ IPX8 waterproof camera head;

○ HD 1080P Video output

Parameter configuration

Product number	YKD-9103
Camera	1/2.8 inch Sony CMOS HD camera
Pixel	2100,000 pixels
Image size(Horizontal×Vertical)	1920×1080p
Scanning system	Progressive Scanning
Frame rate	(1920×1080)60p
SNR	≥50dB
Video output	By "DVI, HDMI, CVBS" video output
Horizon resolution	1080 lines
Function	USB storage

YKD-9106

## FULL HD Endoscope System

YIKEDA®

FEATURES

○ Built-in 19-inch high-definition monitor, showing more organizational details, to ensure the safety of surgery;

○ Portable all-in-one design saves space and is convenient to carry;

○ Built-in USB full high-definition image storage, Photo capture/Video recording function;

○ IPX8 waterproof camera head;

Parameter configuration

Product number	YKD-9106
Camera	1/2.8inch SONY CMOS HD Camera
Pixel	2100,000 pixels
Image size(Horizontal×Vertical)	1920×1080p
Scanning system	Progressive Scanning
Frame rate	(1920×1080)60p
SNR	≥50dB
Video output	By"DVI,HDMI,CVBS"Video output
Horizon resolution	1080 Lines
Monitor	19 inch HD medical Monitor
Function	USB storage

YKD-9107

Medical LED cold light source
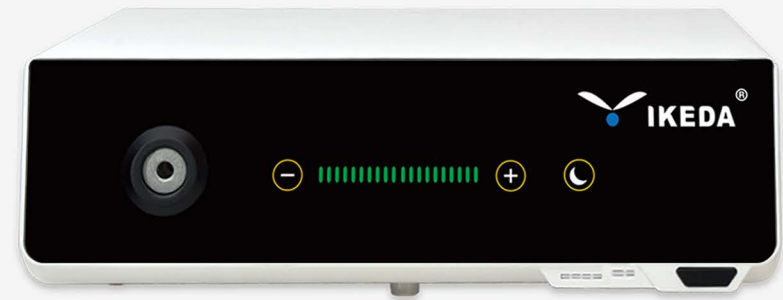
YIKEDA ®

FEATURES

○ Built-in LED cold light source, 20 levels adjustable,
   with memory function, service life of more than 50,000 hours;

○ Touch button, easy to clean;

○ One-click sleep;

Parameter configuration

Product number	YKD-9107
light source	80W LED cold light source
Function	Light intensity indicator Sleep function
Color rendering index	≥90
Color temperature	6500K
Luminous flux	1500 Lm, tolerance -10%
Output hole size	10mm±0.1mm

YKD-9103 FULL HD Endoscope System+
YKD-9107 Medical LED cold light source+
YKD-2002 Medical trolley+
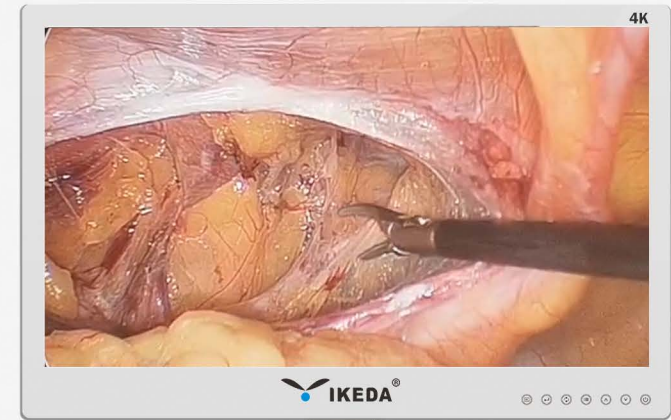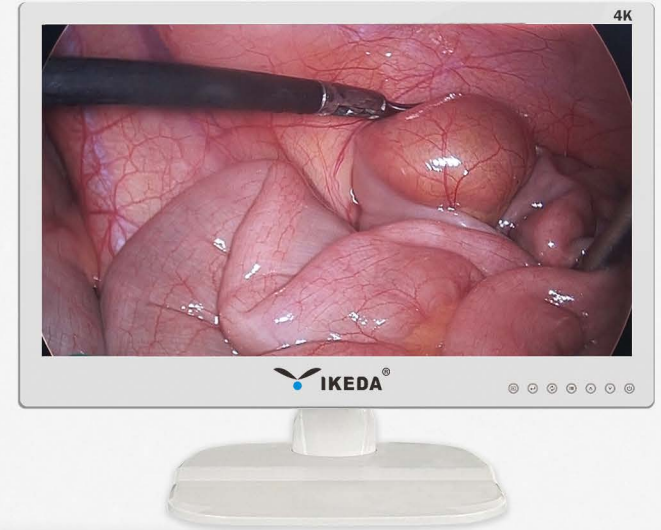# 32 inch Medical monitor

YKD-8032

YKD-9103

YKD-9107

YKD-2002

YKD-9001E
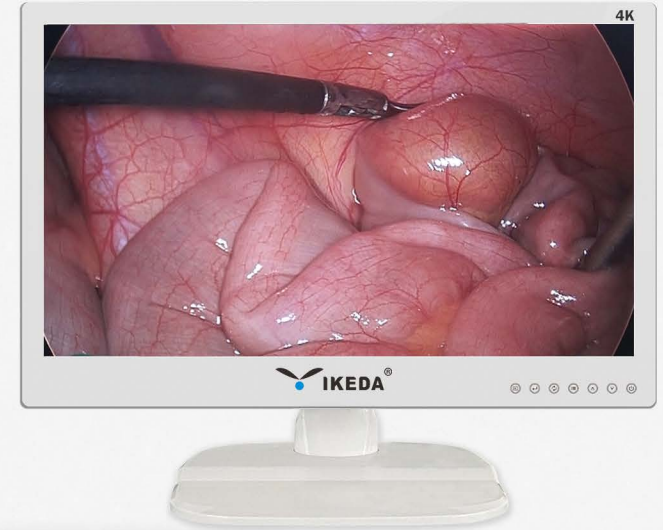
FULL HD Endoscope System

YIKEDA®

FEATURES

○ Built-in LED cold light source;

○ Built-in USB full high-definition image storage,
Photo capture/Video recording function;

○ The integrated design of LED cold light source and camera
saves space and is convenient to carry;

○ IPX8 waterproof camera head;

Parameter configuration

Product number	YKD-9001E
Camera	1/2.8 inch Sony CMOS HD camera
Pixel	2100,000 pixels
Image size(Horizontal×Vertical)	1920×1080p
Scanning system	Progressive Scanning
Frame rate	(1920×1080)60p
SNR	≥50dB
Video output	By "HDMIx3, CVBS" video output
Horizon resolution	1080 lines
Light source	Built-in 80W LED cold light source
Function	USB storage

YKD-9001E-T

FULL HD Endoscope System
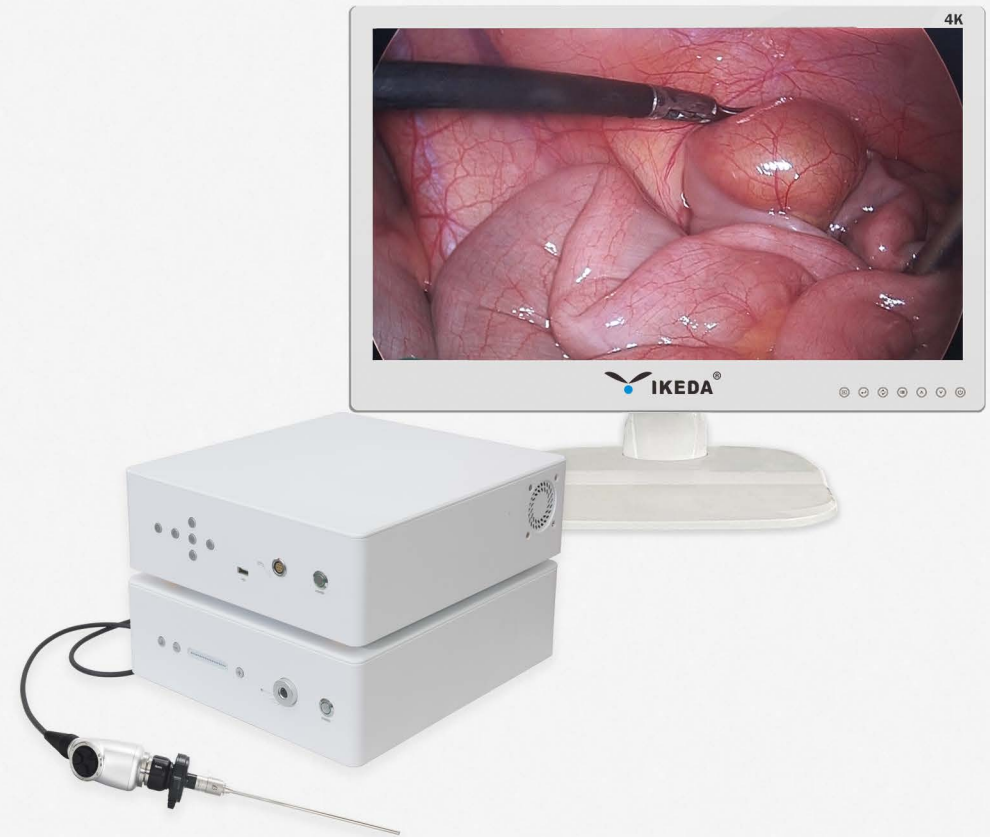
YIKEDA®

4K

FHD CAMERA 1080

FEATURES

○ Built-in LED cold light source;

○ Built-in USB full high-definition image storage,
Photo capture/Video recording function;

○ The integrated design of LED cold light source and camera
saves space and is convenient to carry;

○ IPX8 waterproof camera head;

Parameter configuration

Product number	YKD-9001E-T
Camera	1/2.8 inch Sony CMOS HD camera
Pixel	2100,000 pixels
Image size(Horizontal×Vertical)	1920×1080p
Scanning system	Progressive Scanning
Frame rate	(1920×1080)60p
SNR	≥50dB
Video output	By "HDMIx3, CVBS" video output
Horizon resolution	1080 lines
Light source	Built-in 80W LED cold light source
Control	5 inch touch screen
Function	USB storage

YKD-9102E

FULL HD Endoscope System

IKEDA®

4K

IKEDA®

FEATURES

○ Built-in USB full high-definition image storage,
Photo capture/Video recording function;

○ IPX8 waterproof camera head;

○ HD 1080P Video output

Parameter configuration

Product number	YKD-9102E
Camera	1/2.8 inch Sony CMOS HD camera
Pixel	2100,000 pixels
Image size(Horizontal×Vertical)	1920×1080p
Scanning system	Progressive Scanning
Frame rate	(1920×1080)60p
SNR	≥50dB
Video output	By " HDMIx3, CVBS" video output
Horizon resolution	1080 lines
Function	USB storage

YKD-9102E-T

FULL HD Endoscope System

FEATURES

- Built-in USB full high-definition image storage, Photo capture/Video recording function;

- IPX8 waterproof camera head;

- HD 1080P Video output

Parameter configuration

Product number	YKD-9102E-T
Camera	1/2.8 inch Sony CMOS HD camera
Pixel	2100,000 pixels
Image size(Horizontal×Vertical)	1920×1080p
Scanning system	Progressive Scanning
Frame rate	(1920×1080)60p
SNR	≥50dB
Video output	By "HDMIx3 CVBS" video output
Horizon resolution	1080 lines
Control	5 inch touch screen
Function	USB storage

YKD-9103E

Medical LED cold light source

FEATURES

○ Built-in LED cold light source, 20 levels adjustable,

with memory function, service life of more than 50,000 hours;

○ One-click sleep;

Parameter configuration

Product number	YKD-9103E
light source	80W LED cold light source
Function	Light intensity indicator Sleep function
Color rendering index	≥90
Color temperature	6500K
Luminous flux	1200 Lm, tolerance -10%
Output hole size	10mm±0.1mm

YKD-9006

FULL HD Endoscope System

YIKEDA®

The Camera

❶ WB
❷ Freeze
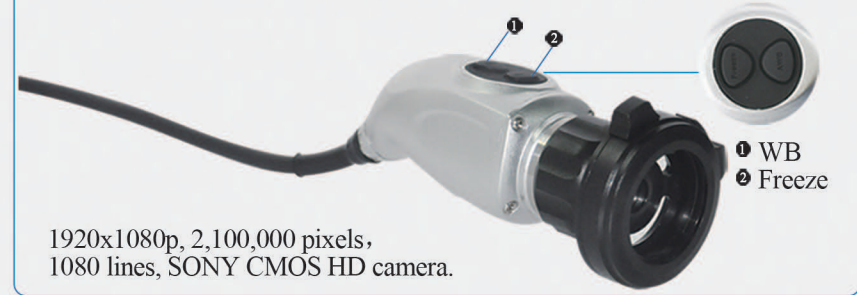
1920x1080p, 2,100,000 pixels，
1080 lines, SONY CMOS HD camera.

Data Connection

❶ CVBS Out
❷ HDMI 1 Out
❸ HDMI 2 Out
❹ HDMI 3 Out
❺ Power Input

FEATURES

○ Built-in LED cold light source;

○ Built-in USB full high-definition image storage,
Photo capture/Video recording function;

○ The integrated design of LED cold light source and camera
saves space and is convenient to carry;

Parameter configuration

Product number	YKD-9006
Camera	1/2.8 inch Sony CMOS HD camera
Pixel	2100,000 pixels
Image size(Horizontal×Vertical)	1920×1080p
Scanning system	Progressive Scanning
Frame rate	(1920×1080)60p
SNR	≥50dB
Video output	By "HDMIx3,CVBS" video output
Horizon resolution	1080 lines
Light source	Built-in 80W LED cold light source
Function	USB storage

YKD-9007

FULL HD Endoscope System

YIKEDA®

The Camera

❶ WB
❷ Freeze

1920x1080p, 2,100,000 pixels，
1080 lines, SONY CMOS HD camera.

YIKEDA®

FHD CAMERA 1080

Data Connection

❶ CVBS Out
❷ HDMI 1 Out
❸ HDMI 2 Out
❹ HDMI 3 Out
❺ Power Input

FEATURES

○ Built-in USB full high-definition image storage,
   Photo capture/Video recording function;

○ SONY CMOS HD camera

○ HD 1080P Video output

Parameter configuration

Product number	YKD-9007
Camera	1/2.8 inch Sony CMOS HD camera
Pixel	2100,000 pixels
Image size(Horizontal×Vertical)	1920×1080p
Scanning system	Progressive Scanning
Frame rate	(1920×1080)60p
SNR	≥50dB
Video output	By "HDMIx3,CVBS" video output
Horizon resolution	1080 lines
Function	USB storage

YKD-9005

Medical LED cold light source

YIKEDA ®

ACCESSORIES

- **CONNECTOR TO ENDOSCOPE**

  Compatible with STEMA/STORZ

- **CONNECTOR TO LIGHT SCOURCE**

  Compatible with STEMA/STORZ

  Compatible with WOLF/HSW

FIBER OPTIC CABLE

LIGHT ILLUMINATION 680000 LUX

12

Endoscopy
LED COLD LIGHT SOURCE

YIKEDA ®

FEATURES

- Built-in LED cold light source, 20 levels adjustable, with memory function, service life of more than 50,000 hours;

- Touch button, easy to clean;

- One-click sleep;

Parameter configuration

Product number	YKD-9005
light source	80W LED cold light source
Function	Light intensity indicator Sleep function
Color rendering index	≥90
Color temperature	6500K
Luminous flux	1200 Lm, tolerance -10%
Control	5 inch touch screen
Output hole size	10mm±0.1mm

YKD-9122

FULL HD Endoscope System

YIKEDA ®

22" HD

YIKEDA ®

FULL HD ENDOSCOPE SYSTEM

The Camera

❶ ❷

❶ WB
❷ Freeze

1920x1080p, 2,100,000pixels,
1080lines,SONY CMOS HD CAMERA

FEATURES

○ Built-in LED cold light source;

○ Built-in USB full high-definition image storage,
Photo capture/Video recording function;

○ The integrated design of LED cold light source and camera
saves space and is convenient to carry;

Parameter configuration

Product number	YKD-9122
Camera	1/2.8 inch Sony CMOS HD camera
Pixel	2100,000 pixels
Image size(Horizontal×Vertical)	1920×1080p
Scanning system	Progressive Scanning
Frame rate	(1920×1080)60p
SNR	≥50dB
Video output	By "DVI, HDMI, CVBS" video output
Horizon resolution	1080 lines
Light source	Built-in 80W LED cold light source
Monitor	19/22/24 inch
Function	USB storage

YKD-9115

FULL HD Endoscope System

YIKEDA®

FEATURES

○ Built-in LED cold light source;

○ Built-in USB Video recording function;

○ The integrated design of LED cold light source and camera saves space and is convenient to carry;

Parameter configuration

|	
Model number	YKD-9115
Image Sensor	1/3" SONY CMOS
Effective Pixels	1305x977
Scanning System	Progressive
Resolution	720p
S/N Ratio	≥42dB
Monitor	15 inch monitor
Color(AWB)	Auto / manual
Camera function	White balance and freezing
Light source	LED light source
Storage	USB
Video Recording	MP4

Portable light source

YIKEDA®

INSTALLATION

- **RECHARGEABLE BATTERY**

- **EASY TO INSTALL**
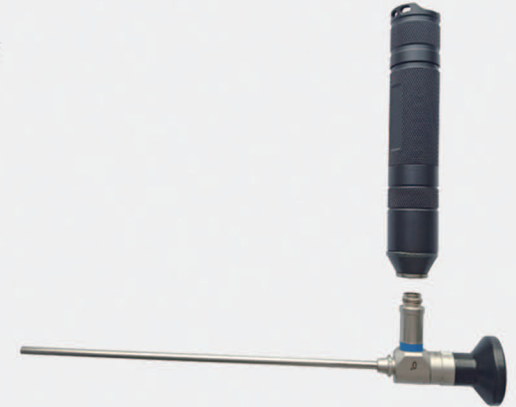
FEATURES

- ○ Adopted imported medical LED,Strong stability,Good anti-seismic property.

- ○ Colour temperature purity:Natural light 6500K, no stray lights.

- ○ High brightness: great transparency,Excellent color rendering,great three dimensional sense of the surgery.

Parameter configuration

DC power supply time	5h
Charging time	3h
Buib	5-10w LED
Battery	Lithium battery
Color tempreture	5500-6500k
Light Illumination	>200000 Lux
Net weight	58.5g
Length	132mm
Diameter	24mm

Medical Monitor

CE RoHS FC
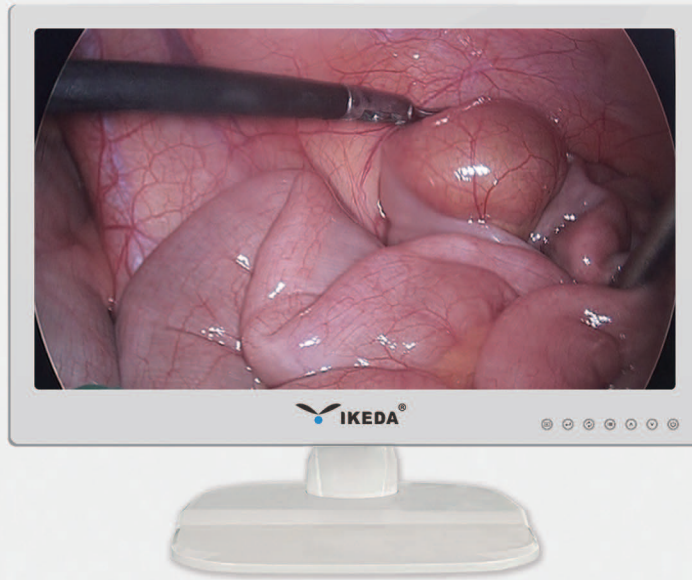
- High-performance I/P conversion
- Bright color separation deep compensation
- Environmentally friendly LED backlight
- Dynamic dark area color reconstruction technology
- Over Drive accelerates response and eliminates screen smear
- Digital image transient enhancement technology
- Unique white balance automatic adaptation technology
- Gamma value adjusted one by one before leaving the factory
- Personalized three primary color adjustment permissions
- Operate custom screen ratio adjustment between different modes

Product Name	YKD-8024	YKD-8032
Screen size	24"	32"
Appearance	White metal shell	
Power supply	External power supply12V/8.5A	
Resolution	1920x1080	
Proportion	16：9	
Factory brightness	500±20%	400
Highest brightness	600	400
Contrast	1000:1	1200:1
Display color	16.7M 6bit	16.7M 8bit
Dot pitch	0.2745x0.2745	121.25(H)xRGBx363.75(V)
Response time(/ms)	14ms	8ms
Perspective	178/178	178/178
Dimensions(Without base)	570(W)x345(H)x65(D)mm	570(W)x345(H)x65(D)mm
Installation standard	VESA 100x100mm	VESA 200x100mm
Power consumption	80W max	100W max
Energy saving	EPA,VESA	
Operating temperature	5℃~40℃	
MTBF	> 50,000 hours	
Signal interface	HDMI/DVI/VGA/CVBS/S-VIDEO	
Application	Endoscope/electronic gastrointestinal endoscopy, laparoscopy	
Factory curve	AMA2.6	
Factory color temperature	6500K	
Color gamut	72% NTSC（sRGB)	
Brightness uniformity	>75%	
Brightness equalization technology	Brightness stabilization system	
Environmental light compensation	N/C	
Dot clock frequency	154MHZ	400MHZ
Scanning frequency	50HZ-75HZ	58HZ-97HZ
Backlight module	LED	LED

YKD-2001

Medical trolley

Monitor stand

Lift button (lift range 10cm)

Bracket
(full injection-molded ABS material)

4 inch universal silent wheel

YKD-2002

Medical trolley

YIKEDA®

- Well combination and changeability, could be combined by option according to functional needs.

- Strong metal plate structure, make trolley firmer and more durable.

- Easy assembly, small packing volume, convenient to transport.

- The pallet height is adjustable.