

FHD Camera System Solutions

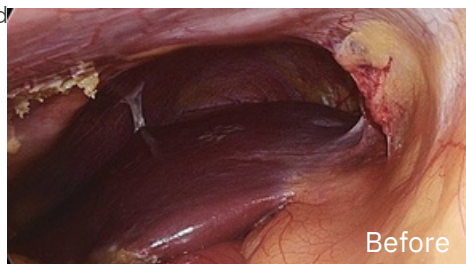
SPECUS FHD



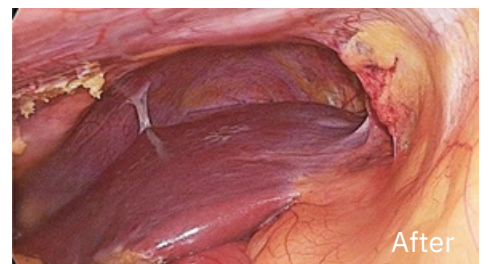
HD Camera System Key Technologies

De-Dark

Generally used in laparoscopic surgery and ENT to identify dark areas and improve brightness by identifying the partial dark area of visual field, the hidden details appear, and the whole area of the surgical field is bright and transparent.



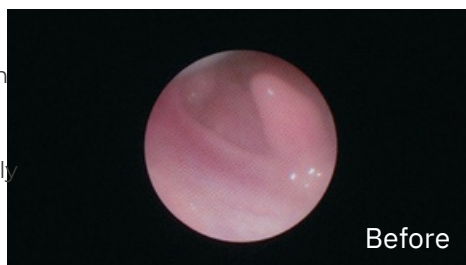
Before



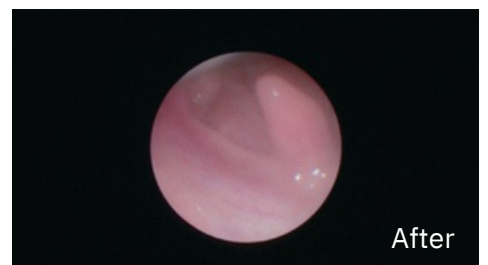
After

De-moiré

The original adaptive grid search algorithm intelligently identifies grid interference, weakens grid traces, repairs the loss of details, highly restores the image. Generally used in fiber lens surgery, like kidney lithotripsy surgery.



Before



After

Standard HD Solution

Video input	Not Supported	3G-SDI(1080P 60/50/30/25Hz; 720P 60/50/30/25Hz) DVI(1080P 60/50/30/25Hz; 720P 60/50/30/25Hz)	3G-SDI(1080P 60/50/30/25Hz; 720P 60/50/30/25Hz) DVI(1080P 60/50/30/25Hz; 720P 60/50/30/25Hz)
Communication interface	RJ-232x1	RS-232x1, RJ45x1	RS-232x1, RJ45x1
User interaction	Panel: Menu	Panel: Menu	Panel: Menu
Date/Time	Supported	Supported	Supported
Capture & Record	Not Supported	1080P supported Quality settings supported	1080P supported Quality settings supported
Language	English, Japanese Korean, Spanish, Russian, German	English, Japanese Korean, Spanish, Russian, German	English, Japanese Korean, Spanish, Russian, German
Power	100V-240V, 50/60Hz	100V-240V, 50/60Hz	100V-240V, 50/60Hz
Power consumption	35w maximum	35w maximum	35w maximum

Specus HD Solution

SPECUS Camera Head Component



AF Camera head

One click – auto-focus/
photo/recording/freeze...



Standard Camera head

One click – photo/recording/freeze...



Ultra high definition pixel
1829x1080 pixel



IPX3 waterproof level
Can be immersed directly



4 buttons
Supports 18/18 functional configurations

SPECUS HD Camera Control Unit

Touch panel type

Panel button operation (8 buttons)
Quick response, obvious prompt



Touch screen type

Touch screen operation
5-inch touch screen, support for real-time preview
Quick response, obvious prompt



Product functions

Hue
Multiple hue mode for choice.
Adapts to a variety of medical display

De-Dark
OFF, low, high

De-Highlight
OFF, low, medium, high

De-moiré
Multiple Mode
Used with rigid/ flexible fiber endoscope

User interaction
Supports button or touch-screen operation
Supports pedal linkage

Dual endoscope display
Supports 3G-SDI/DVI-D in

System language
Chinese, English

Interface type

Video output
12G-SDI, HDMI 2.0, 3G-SDI, DVI

Video input
3G-SDI, DVI

Signal output frame rate
60Hz, 50Hz, 30Hz, 25Hz

Dimensions (L × W × H)
324mm × 300mm × 114.7mm

* Supports appearance
customization services

Storage functions

Photo/recording storage
Supports U disk, mobile hard disk storage

Photo storage
The image quality can be customized,
supports best / high / medium / low mode
Image output resolution supports
3840×2160 (best mode), 1920×1080

Recording storage
The video quality can be customized,
supports best / high / medium / low mode
Video output resolution supports
3840×2160 (best mode), 1920×1080



Light source module

Specifications

Dimensions (L×W×H)
300 mm×336 mm×109 mm

Weight
About 5.54 kg

Photo/recording storage
AC 220V, 50Hz

Dimensions (L×W×H)
338 mm×345 mm×130 mm

Weight
About 5.54 kg

Operating environment
Operating temperature 5 C ~40 C
Operating humidity ≤80% (non-condensing)

Performance

- High color rendering index
- Low consumption LED light source
- Service life of 30,000h
- Provides stable light source continuously
- Supports touch screen operation and CCU linkage
 - Long life 80W white Light
 - Light guided 4.5mm 3meter



B1153



B1155

FHD Laparoscope



Mode	Viewing angle	Endoscopic diameter	Working length	Depth of field	Field of vision	Transparency
B1101	0°	10.00mm	325mm	3.0-100mm	≥70°	White light
B1102	30°	10.00mm	325mm	3.0-100mm	≥70°	White light
B1101.1	0°	5.5mm	300mm	3.0-150mm	≥75°	White light
B1102.1	30°	5.5mm	300mm	3.0-150mm	≥75°	White light

Specus Surgical Monitor

27/31.5 inch



Product Introduction

Specus surgical monitor has the characteristics of high brightness, high contrast ratio, wide viewing angle and wide color gamut, providing doctors with a vivid and accurate real-time surgical image. The front panel is water-proof, antarsarclal treated, and equipped with a variety of video input and output interfaces, to meet the requirements of various endoscopes, operating room display and purification.

Performance

- 1920 × 1080 resolution, can display 4K ultra HD picture quality
- Maximum brightness reaches 1000cd/m2
- Color gamut reaches 290NTSC
- Supports input signal of 12G-SDI, 4*3G-SDI and HDMI
- Supports multi-window display of PIP and POP
- Front panel waterproof for easy cleaning and disinfection
- Conforms to the EMC test standards of medical devices, and choose the power adapter of medical regulations

Application range

It is suitable for accurate restoration and display of the vivid images of operating room and endoscopic equipment.

Technical Specifications

Display Model	BR-M270BSC3ALD	BR-M320BSC3ALD
Screen Size	27"	31.5"
Screen Size	3840*2160	
Resolution	1920*1080	16:9 16:9
Aspect Ratio	16:9	1100:1
Luminance	1000cd/m2	1100cd/m2
Contrast Ratio	1000:1	1100:1
Colors Support	1.07B(10 bit)	
Response Time	8ms	
Viewing Angle	178°/178° (CR≥10)	
Input Signal Interface	12G-SDI*, 4*3G-SDI, HDMI	
Dimension (without base)	650(W) × 460(H) × 60(D)mm	755(W) × 450(H) × 60(D)mm
Weight (without the base)	9.6kg	12.5kg
Installation Standard	VESA: 100*100mm, 100*200mm	
Adapter	AC 80V~264V	
Input Voltage	DC 24V	
Power Consumption	<110W	<110W

Medical Insufflator SPECUS-I



- 7 inches touch screen
- 1-50L/min Adjustment Rate and 50L/min Flow Rate
- 3-25 mmHg Pressure Range
- Smoke Evacuation Function and Automatic Heating (optional)

Model:	SPECUS-I
Input voltage	100V-240V
Input frequency	50/60Hz
Input power	150VA
Gas type	Medical CO2 gas (Purity 99.99%)
Filter interface	Tapered connection, diameter Φ 15mm 1mmHg~
Pressure range	30mmHg
Pressure mode	Mode: Small cavity (for Kid) Pressure:1-15mmHg Mode: Normal cavity (for Adult) Pressure:1-30mmHg
Weight	≤11kg
Size (L*W*H)	407mm*350mm*142mm
Flow regulation range	0.1L/min--50L/min
Heating function	Yes
Smoke evacuation	Yes
USB foot switch	Yes
Other functions	Self-check when powered on Intake air filtration Over-pressure alarm

Britanova Medic LTD

1313 92, Castle Street Belfast,
UK

+44 20 3432 3376



www.britanovamedic.com



info@britanovamedic.com

