

**mindray**

## HD3

Endoscope Camera System

# Inspiring your vision



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**mindray**  
healthcare within reach

## Full HD 1080p

26" Medical Grade Monitor PV26



Camera Head HD3



Camera Control Unit HD3



LED Light Source HB200L



Insufflator HS-50F



## Endoscope Camera System HD3

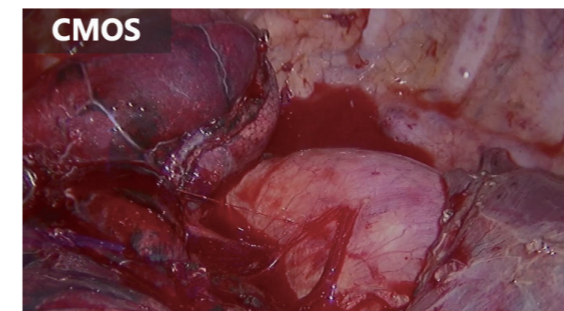
The Mindray full HD 3-chip camera system delivers high definition and exceptional image quality for you to distinguish anatomy across all minimally invasive procedures, while providing a simple, yet personalized experience with USB storage function.

It features a 1920x1080p resolution delivering optimal color rendition and brightness, while utilizing advanced CMOS technology and premium optics to provide a clear, bright image to improve patient outcomes.

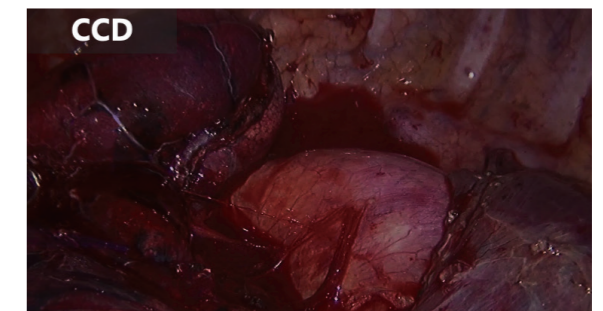


## Three-chip CMOS Full HD Camera Head

- Better light sensitivity
- Less noise and power consumption
- Higher stability for hemorrhage



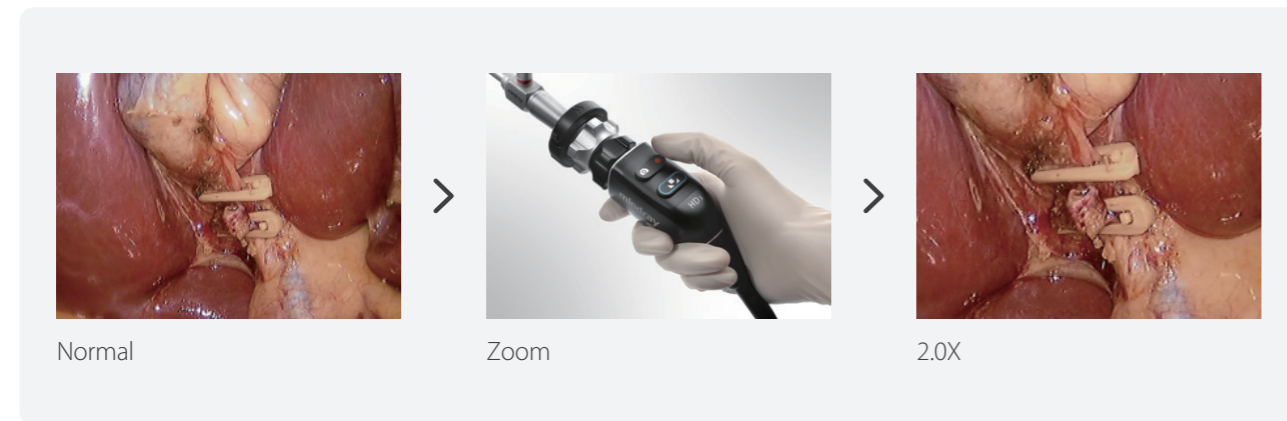
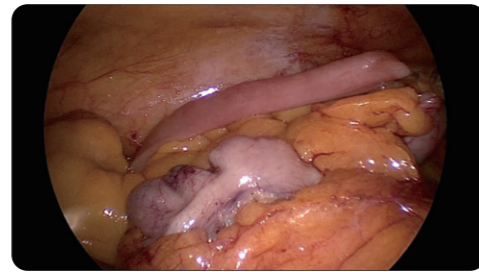
CMOS performance



CCD performance

## Parfocal Technology

- Three-chip sensors realize zooming and focusing simultaneously.
- Twice optical magnification shows more details
- Focal length in the range of 14~30mm suitable for multi-specialty surgeries



## Built-in Recording Function

- Picture/Video recording on portable USB memory(1080p)
- USB storage up to 2TB
- One-click for screenshot and video recording



## Cross-specialty Standardization



General Surgery



Urology surgery



Gynecology



Thoracic surgery



Orthopedic Surgery



ENT surgery

## Endoscope Light Source

### HB200L

- LED Technology
- Approximately equals to 300W Xenon light source
- Color temperature 6500K
- Lamp life > 20000 hours
- Auto detection of light guide cable
- Compatible with other brand cables



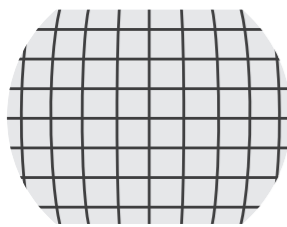
## HD Laparoscopes without Distortion



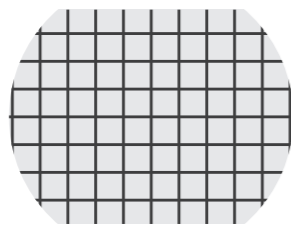
autoclavable 134 °C

- Advanced molded aspheric lens to get clear and distortion free images
- Different optical port adapters to connect optical fibers
- High-resolution images and better color rendition
- Anti-fog lens technology

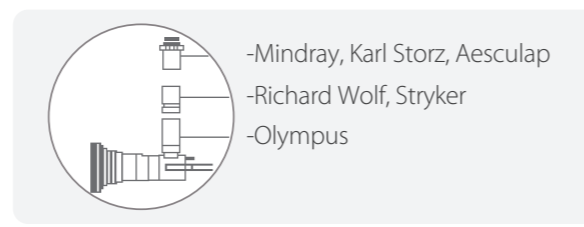
Model	Direction of View	Field of View	Working Length	Depth of View	Autoclavable
M01030A	30°	80°	321mm	3-200mm	Yes
M01000A	0°	80°	321mm	3-200mm	Yes



Ordinary laparoscope



Mindray HD laparoscope



Compatible connector

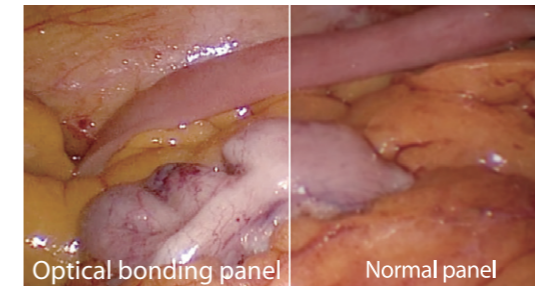
## 26" Full HD Monitor



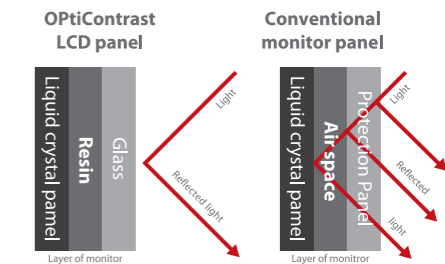
- Wide viewing angel 178°
- High contrast 1400:1
- Full HD resolution 1920x1080 pixels

## Optical Bonding Panel Technology

Suppress the reflection and retraction of light



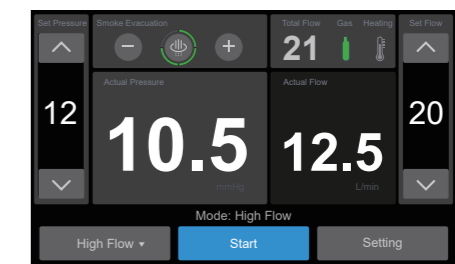
Laminate the entire surface of the LCD module



## Insufflator

### HS-50F

- Max flow rate 50L/min
- 7" touch screen
- 5 modes selectable (Adult, pediatric, Bariatric, Retroperitoneum, User customize)
- Automatically detect veress needle mode
- Audible and visible alarm message
- Smoke evacuation function
- Heating function



Touch screen with friendly user interface

## Trolley

- Highly robust and easy to move
- 4 shelves with 1 drawer
- 2 Handles with 1 Camera head holder
- 4 Wheels with 2 Breaks
- CO2 Cylinder Holder available
- Can support 2 displays with additional arm
- VESA mounting interface

