

# Vetina CS3

Veterinary HD Rigid Endoscopy System

## Medical Quality , Veterinary-Specific



# Vetina CS3

Mindray Animal Medical are committed to offering human standard equipment and provides an animal-specific endoscope system with 1080P Full HD imaging by meeting demands of vets.



Built-in USB Recording



Four Insuflation Modes Available



Endoscopes & Consumables for Different Procedures



Full Optical Bonding Medical Monitor



3-chip CMOS Sensor  
2X Optical Zoom



Image Presets for Four Different Procedures





## Medical Quality

### Vetina camera head

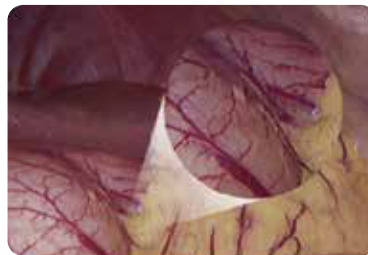
#### suitable for veterinary practice

- Exclusive design to help keep balance  
Lightweight, reduces surgeon fatigue during long procedures
- IPX7 waterproof rating  
Submersible for cleaning & disinfection



#### Optical Zoom Ensures Less Image Artifact

- Focal length: 14-30mm, 2X optical zoom without losing quality



| 2X optical zoom |



| 2X electronic zoom |

#### 3-Chip CMOS Powerful Image Processing Device

Compared with CCD, CMOS has better light sensitivity and less noise. The sensors process the three primary colors separately, presenting more realistic colors and clearer organization details, while realizing zooming and focusing simultaneously.



CMOS performance



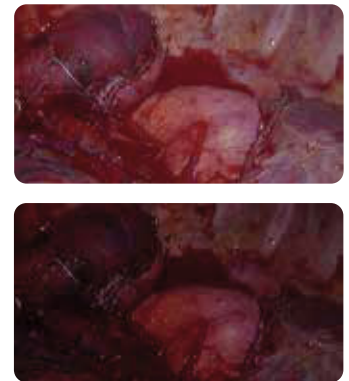
CCD performance



## Medical Quality

### Powerful image post-processing technology

- Brightness level adjusts automatically for immediate identification of hemorrhage
- Effectively reduces motion blur
- Image presets for four different procedures



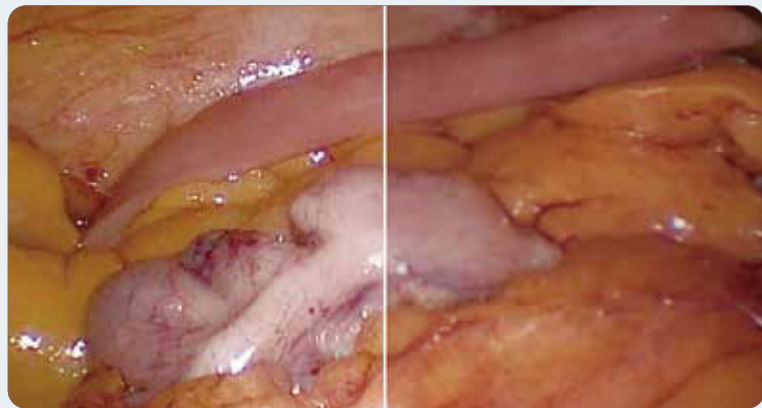
### 27" Full Optical Bonding Medical Monitor



- Medical standard
- Full sealed: allowing wipe disinfection, prevent moisture getting into the display
- LOCA bonding: Better transparency, anti-glare, 178 degree viewing angle

### Optical Bonding Panel Technology

Suppress the reflection and retraction of light



LOCA bonding panel

Normal panel



## Veterinary-Specific

### Veterinary Insufflator Vetina GS3

- Mindray's exclusive algorithm provides stable pressure
- Preset values specific for veterinary medicine
- Four insufflation modes available



7" Touch screen

### Low-cost After Sales Service

### Maintenance-free LED Light Source Vetina LS3

- Equivalent to 300W xenon light source
- Compatible with third-party light cable
- Maintenance-free
- Service life of 10,000 surgeons



20000h  
10000 surgeons



6000K  
LED light source



# Veterinary-Specific

## Built-in USB Recording

- FHD photo capture and video recording
- Convenient sharing and clear projection display on academic events
- Easy recording with just one click
- Meets advertising demands of private animal hospitals



## Anti-Fogging HD Endoscope



\*Autoclaved

\*  
25-150mm

extended  
depth of field

Special anti-fog

technique

Effectively

avoids  
lens distortion

5mm,3mm

Suitable for  
veterinary applications

\*Marked as LPS430M Endoscope parameters  
LPS30 Endoscope's depth of field is 10-100mm



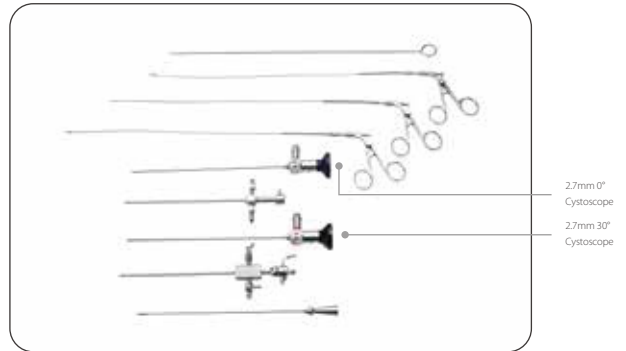


# Veterinary-Specific

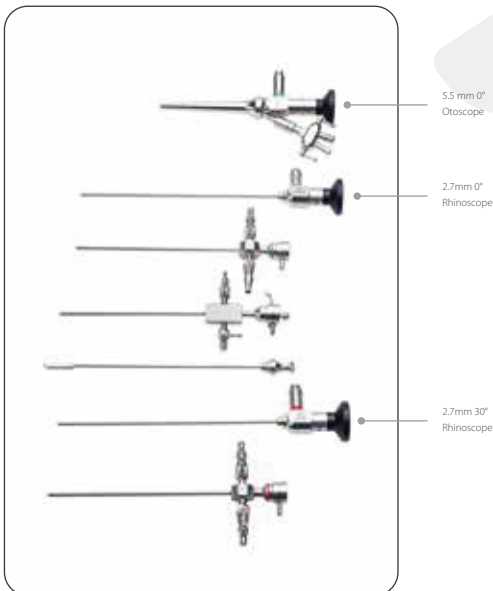
## Endoscopes & Consumables For Different Procedures



Laparoscope



Cystoscope



Otoscope and Rhino-Laryngoscope



Arthroscopy



Mindray Animal Medical Minimally Invasive Surgery Solution

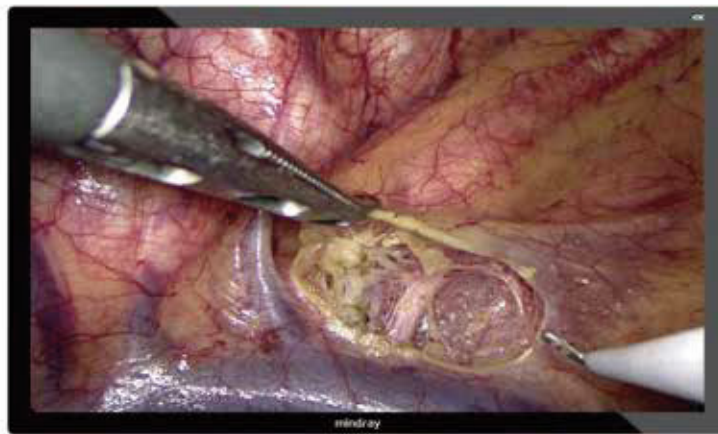
**For more information please contact:  
Endoscopy Support Services, Inc.  
3 Fallsview Lane Brewster, NY 10509  
845-277-1700 \* [www.endoscopy.com](http://www.endoscopy.com)**



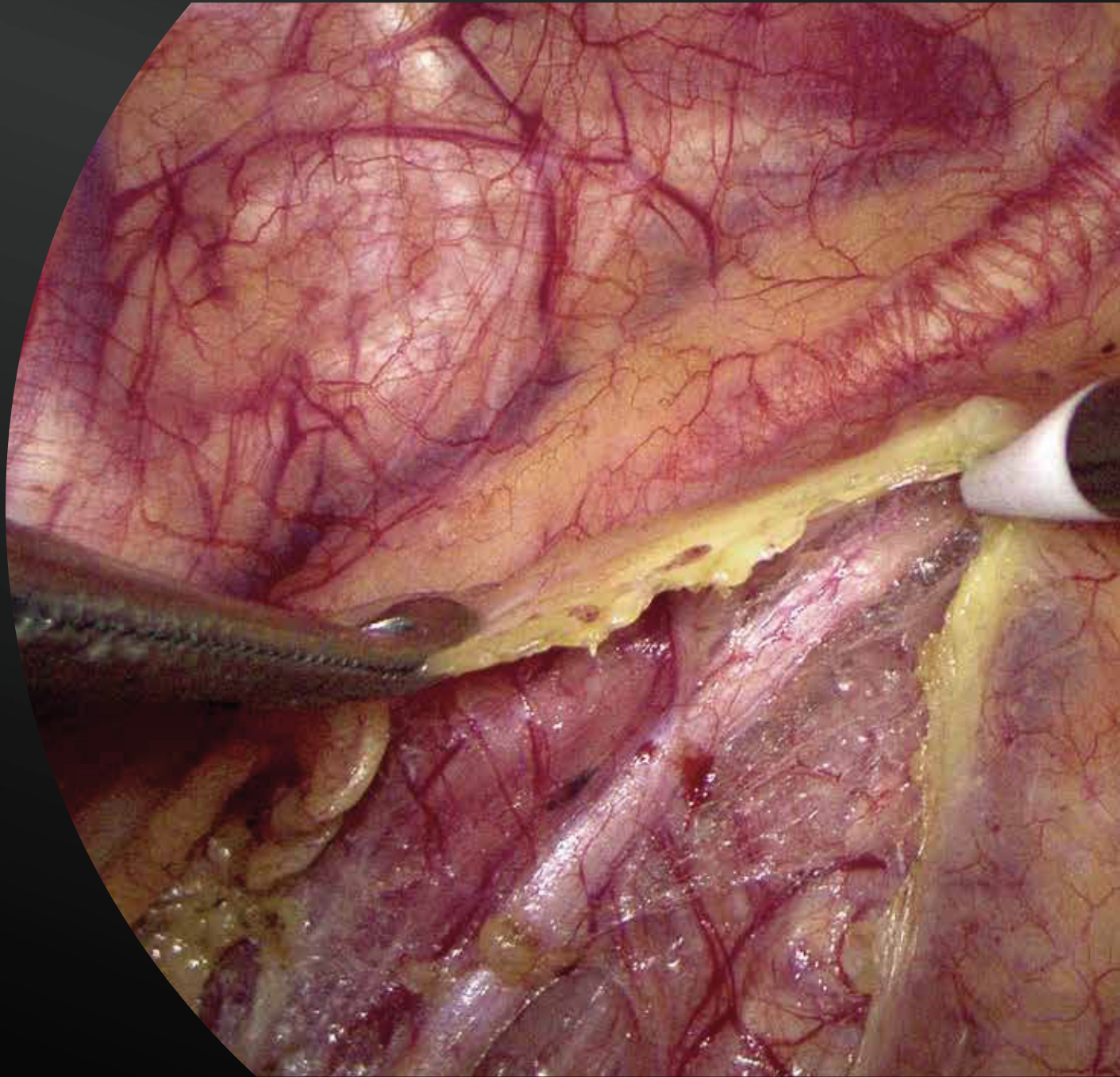
## Vetina CS7

Veterinary 4K Rigid Endoscopy System

4K UHD Veterinary-Specific



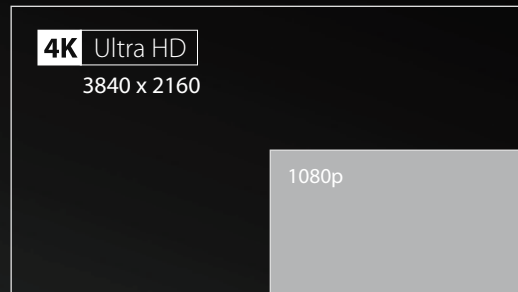
**4K True Colors And Higher Resolution**





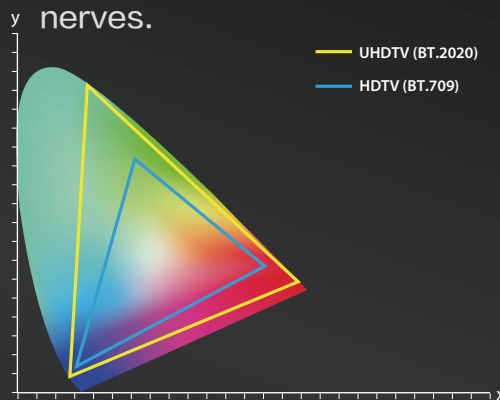
## 4K UHD Image

- 3840 × 2160 resolution; 4x the resolution of an HD image, with more vivid texture for accurate recognition



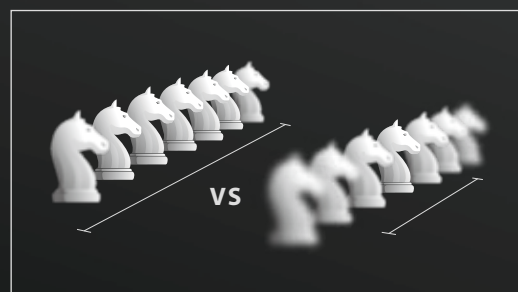
## Wide Color Gamut

- Represents organs and tissues in real color, perfect identification of blood vessels, lymph nodes, and nerves.



## 25–150mm Extended

- Focus remains clear while switching between multiple operating scenes.



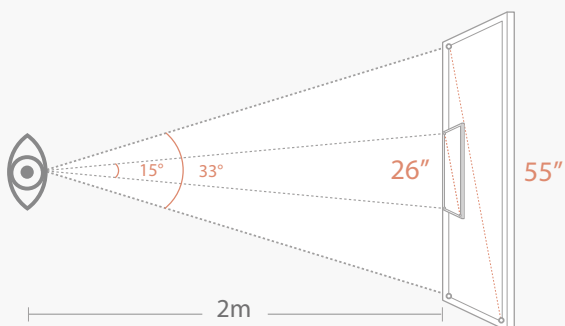
Sharpness near & far



# 55 " Immersive Experience



- Provide a better immersion experience
- Eliminate other interference
- Help surgeons improve concentration
- Bring an innovative operating experience
- Image can be enlarged 4 times without reducing the resolution
- Effectively reduces surgeon visual fatigue



4K

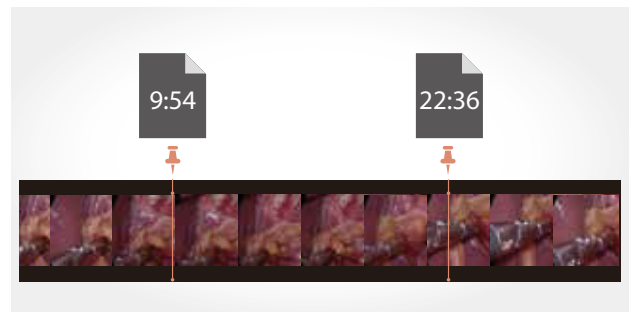


HD

# Built-in USB Recording



- UHD /FHD photo capture and video recording
- Easy recording with just one click
- With bookmark function, it is convenient for video record review and post-editing
- Convenient sharing and clear projection display on academic events
- Meets advertising demands of private animal hospitals



# Ergonomics



## Trolley TITAN

- Support a 55-inch large screen
- Four casters with brakes
- The innovative structural design ensures convenient moving



## Cable Management

- The camera cup holder combined with the cable hook to prevent



## 7" Touch Panel

- The main functions are available with only one touch
- 10 ° tilt up screen is easier for observation





## Anti-Fogging HD Endoscope

\* 25-150mm  
extended  
depth of field

Special  
anti-fog  
technique

Effectively  
avoids lens  
distortion

5mm,3mm  
Suitable for  
veterinary  
applications

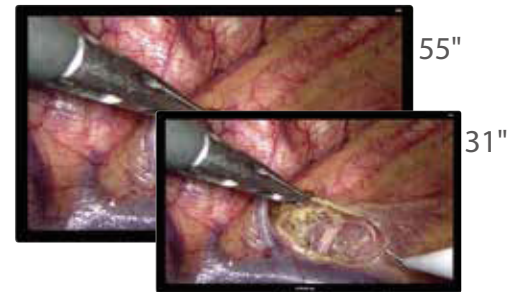


\* Autoclaved

\* Marked as LP5430M Endoscope parameters  
LP530 Endoscope's depth of field is 10-100mm

## 4K Medical Grade Monitor

- 55 " & 31 " inch selectable
- IMAX in Operating Room
- Direct bonding Technology, Reduce reflection interference



## Veterinary Insufflator Vetina GS7

- Mindray's exclusive algorithm provides stable pressure
- Preset values specific for veterinary medicine
- Four insufflation modes available
- Gas heating to body temperature
- Smoke evacuation function



## Veterinary Light Source Vetina LS7

- Comparable to the brightness of a xenon light source
- Long-term use to maintain low temperature  
Service life of 30,000 surgeons





**For more information please contact:  
Endoscopy Support Services, Inc.  
3 Fallsview Lane Brewster, NY 10509  
845-277-1700 \* [www.endoscopy.com](http://www.endoscopy.com)**

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[www.tecnoimagen.com.ar](http://www.tecnoimagen.com.ar) | TI-4582-2222

**mindray**  
animal care