



**HOKIDAI**  
ENDOSCOPY SYSTEM



# 168 VIDEO ENDOSCOPY

# 168 SERIES

## VIDEO ENDOSCOPY

The HOKIDAI 168 series video endoscope brings the high-definition images to healthcare professionals around the world , facilitating more accurate diagnosis and treatment.

### Vascular Enhancement Function

The abundant and precise blood vessel image is very useful to the diagnosis of digestive tract and respiratory tract . HOKIDAI 168 video processor has BLOOD adjustment function which can make images of mucous membrane, capillary vessels and tiny bleeding points appear extremely vivid.

### Automatic Iris Mode

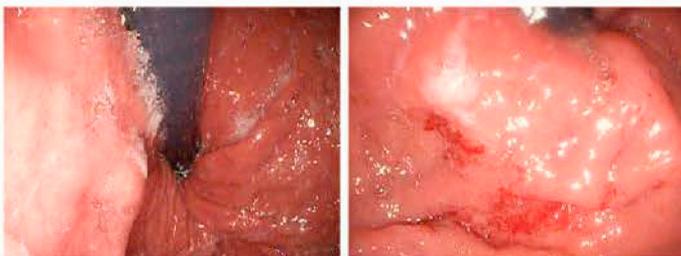
To reduce the halation and present more clear image, the HOKIDAI 168 processor provide two iris modes on the front panel.

Peak: The brightness is adjusted based on the brightest part of the endoscopic image.

Average: The brightness is adjusted based on the average brightness of the endoscopic image.

### Edge Enhancement Function

Outline enhancement function can meet the doctor's preference for the image to different levels; The HOKIDAI 168 outline enhancement (ENH) including: H,M,L



### Product Compatibility

HOKIDAI 168 video processor is compatible with video gastro-scope, video colonoscope, video bronchoscope and video ENT Scope.



## VIDEO PROCESSOR

### VEP-2800



Video Output	Provide HD-DVI etc multi signal video output
Color Adjustment	Auto AWB, adjustable Red / Blue
Gain Adjustment	Can adjust brightness
Brightness Metering	Both average metering mode and peak metering mode available
Enhancement	Vascular outline enhancement makes the diagnosis easier
Freeze Picture	Freeze and save picture to SD card, Picture in Picture
Voltage	110v-240v / 50-60HZ
Safety Standard	IEC60601-1 / IEC60601-1-2

## LIGHT SOURCE

### LLS-2800

### SLS-2810

### XLS-180P/2800



	LLS-2800	SLS-2810	XLS-180P	XLS-2800
Bulb Power	LED Lamp	LED Lamp	180W Xenon Lamp	300W Xenon Lamp
Color Temperature	5500K	4700K	6000K	5900K
Life Range	35000 Hours	35000 Hours	500 Hours	500 Hours
Pressure Output	≥0.03Mpa, High & Low Adjustment			
Pump	Long Life & Quiet Pump			
Voltage	110v-240v / 50-60HZ			
Safety Standard	IEC60601-1 / IEC60601-1-2			

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## VIDEO ENDOSCOPY

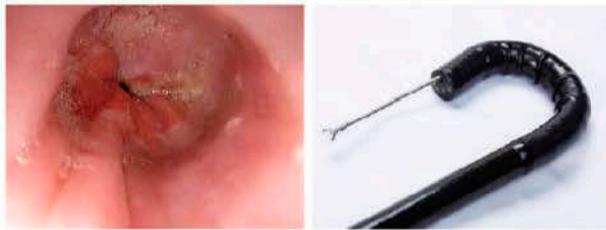
### VIDEO GASTROSCOPE

### VIDEO COLONOSCOPE

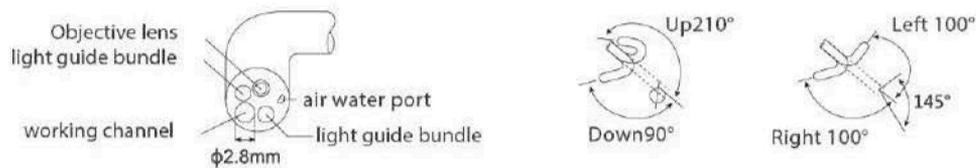
#### Superior Image Quality

The BRAND NEW HOKIDAI video endoscope uses the SONY Medical grade high resolution CCD which provides to the doctor excellent image quality, presenting the super clear image picture of the cell organization.

The new optical lens design enables the endoscope to have large field view of 145 degree and a full picture effect which makes the doctor to observe the maximum range of images.



### VIDEO GASTROSCOPE



Model	GVE-168	GVE-168 X	GVE-168 P
Insertion Tube Diameter	φ9.6mm	φ9.2mm	φ9.0mm
Distal Diameter	φ9.8mm	φ9.2mm	φ9.0mm
Working Length		1050mm	
Working Channel	φ2.8mm	φ2.8mm	φ2.2mm
Field Of View		145°	
Depth Of View		3-100mm	
Tip Deflection	UP210°, DOWN90°, LEFT100°, RIGHT100°		



168  
Video Gastroscope  
Video Colonoscope

### Super Operational Performance

The brand new control body with small size, light weight and smooth control can greatly reduce the fatigue caused by long time operation.

Nice chain drive structure will make sure that the operation is comfortable and soft.

Slim insertion tube reduces the pain during the endoscopy procedures.

### Advanced Cleaning and Disinfection Function

Waterproof design which is suitable for soaking disinfection can reduce cross infection effectively.

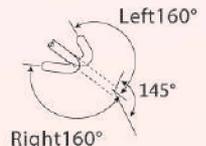
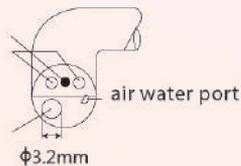
Disassemble suction and air/water buttons for disinfection procedures.

Smooth internal channel and all supporting tools make the endoscope easier for cleaning.

## VIDEO COLONOSCOPE

Objective lens  
light guide bundle

working channel



Model	CVE-168 T/L/I/S	CVE-168 TM/LM/IM/SM	CVE-168 TP/LP/IP/SP
Insertion Tube Diameter	φ12.5mm	φ12.5mm	φ11.8mm
Distal Diameter	φ12.8mm	φ12.8mm	φ11.8mm
Working Length	1700mm / 1550mm / 1330mm / 790mm		
Working Channel	φ3.2mm	φ3.7mm	φ3.2mm
Field Of View	145°		
Depth Of View	3-100mm		
Tip Deflection	UP180°, DOWN180°, LEFT160°, RIGHT160°		

# 168 SERIES

## VIDEO ENDOSCOPY

### VIDEO BRONCHOSCOPE

### VIDEO NASOPHARYNGOSCOPE

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#### Superior Image Quality

Adopt new SONY ultra micro, high pixel and specifically for medical endoscope use CCD chip which provides bright, clear and high resolution image.

#### Wide Field of View

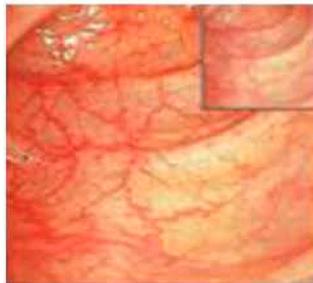
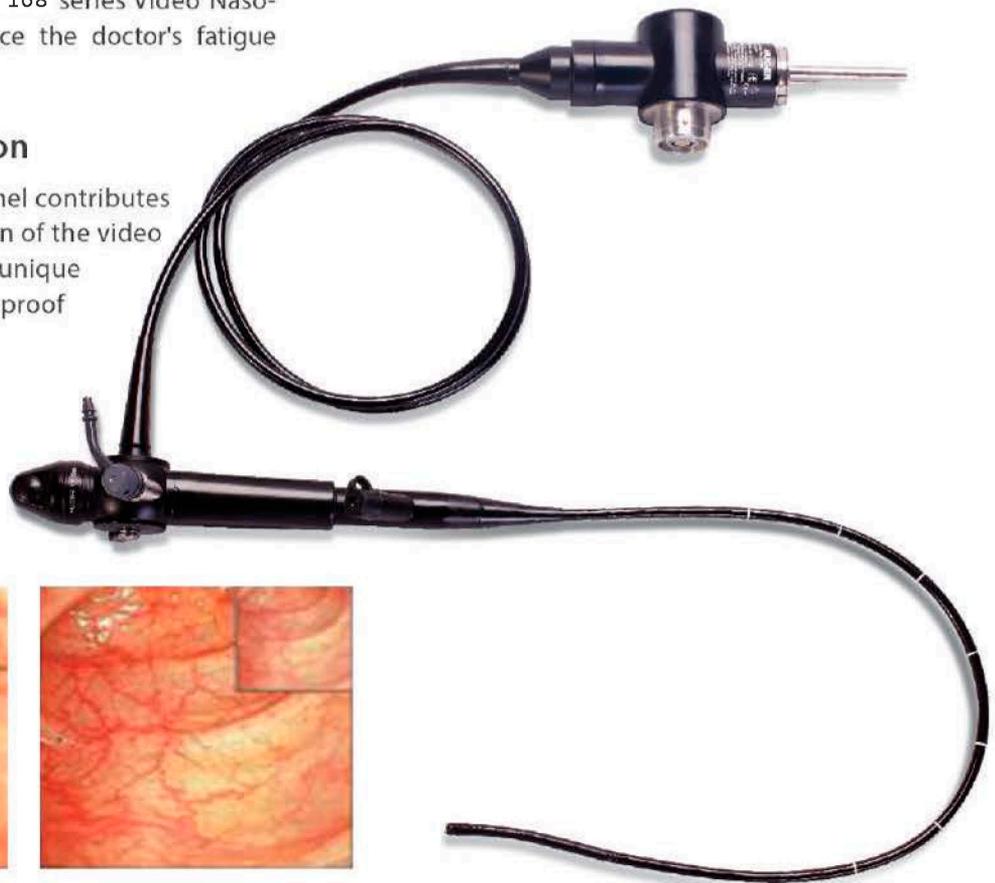
Up to 120° degree field of view and big angulation, making the bronchoscopy procedures easy for observing and positioning, increasing the doctors efficiency and reducing the patients pain.

#### Superior Ergonomic Design

With the 5.8mm insertion tube and small but simple control body the HOKIDAI 168 series Video Nasopharyngoscope can reduce the doctor's fatigue effectively.

#### The Overall Function

The 2.0mm working channel contributes a lot to the overall function of the video Nasopharyngoscope. The unique design adopts a full-waterproof mechanism, suitable for comprehensive cleaning and disinfection. The disassemble suction valve makes the scope safer.





168  
Video Bronchoscope  
Video Nasopharyngoscope

## VIDEO BRONCHOSCOPE

<b>Model</b>	<b>VB-168</b>
Insertion Tube Diameter	φ5.3mm
Working Length	600mm
Working Channel	φ2.0mm
Field Of View	120°
Depth Of View	3-100mm
Tip Deflection	UP180° / DOWN130°

## VIDEO NASOPHARYNGOSCOPE

<b>Model</b>	<b>VN-168</b>
Insertion Tube Diameter	φ5.3mm
Working Length	450mm
Working Channel	φ2.0mm
Field Of View	120°
Depth Of View	3-100mm
Tip Deflection	UP180° / DOWN130°

We will not provide another information  
if there is change in the technical specification



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