OTTOMED ENDOSCOPY SYSTEMS & ANCILLARIES

Better Technology, Better Results.

Branch Offices across INDIA

New Delhi

Ahmedabad

Kolkata

Mumbai

Hyderabad

Bengaluru

Chennai

Ernakulam
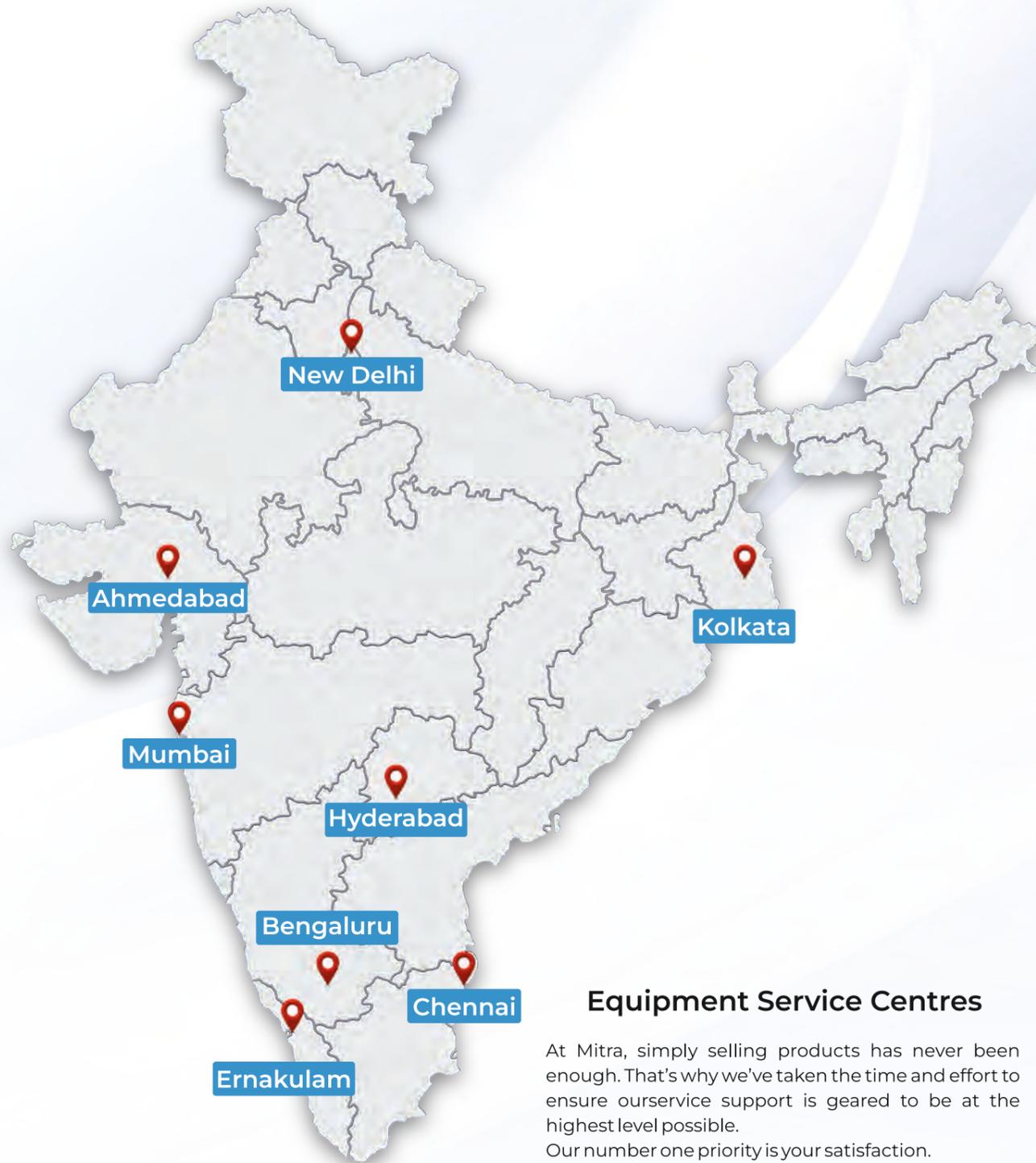
Equipment Service Centres

At Mitra, simply selling products has never been enough. That's why we've taken the time and effort to ensure ourservice support is geared to be at the highest level possible.
Our number one priority is your satisfaction.

Pan-India Service Assist
Fully equipped Service Centres across the country.

Smart Team
Trained & Experienced Service Engineers

Service Support
Quick & On-time response.
Online & On-location.

Training Programs
DNT Programs
to keep you updated.

We are there for you..

MITRA INDUSTRIES

About Us

Ottomed is a reputed and established name in the Healthcare Industry in India involved in manufacturing and marketing of healthcare devices with several product patents in our name. We are the only Indian manufacturers of flexible Endoscopes and related Ancillary products.

Our Vision : To enable Lifecare through sustainable Technologies.

Our Mission : To answer customer needs and practice high degree of corporate governance.

Our Culture : Trust, Transparency & Collaboration

We believe that constant innovation is the only way forward. Our state-of-art Research & Development (R&D) department designs and develops next generation products and devices with sustainable technologies based upon customer feedback and needs to enable healthcare professionals provide high quality lifecare.

Our strong focus in R & D has made us the world leaders in FIBRELESS ILLUMINATION LED-AT- TIP technology which puts an end to light-guide glass fibres in video endoscopes. Coupled with a focus on quality and speed to market, our aim to exceed market expectations for performance and value. Our manufacturing processes adhere to the highest global and GMP standards.

Our strong sales & service presence, with offices & service points across the country, offer quality and time bound services to all our customers.

Our high-quality products are available internationally in many countries.

Ottomed Endoscopy is a division of Mitra Medical Services LLP, a part of the Mitra Group.

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Video Endoscopy Processors

Video Endoscopes

Endoscopy Ancillaries

Endoscopy Accessories

EndoClinic

Africa: Ethiopia, Kenya, Senegal, Malawi, Mali, Zambia, Mauritius, Burundi, South Africa, Liberia, Morocco, Mozambique, Nigeria, Djibouti, Botswana, Seychelles.

Asia: Afghanistan, Sri Lanka, Nepal, Malaysia, Singapore, Thailand, Philippines, Bangladesh.

Oceania: Australia, Fiji, Papua New Guinea.

CIS: Kazakhstan, Kyrgyzstan, Russia, Tajikistan, Uzbekistan.

Middle East: Jordan, Qatar, Israel, Dubai, Syria, Yemen, Israel, Palestine, Iraq, Oman.

Latin America: Argentina, Brazil, Colombia, Guyana, Guatemala.

Europe: France, Italy, Austria, Greece.
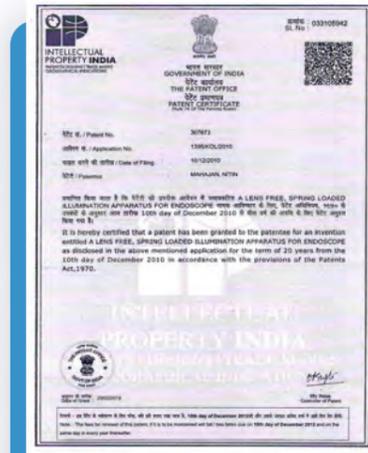
A Lens Free, Spring Loaded Illumination Apparatus For Endoscope
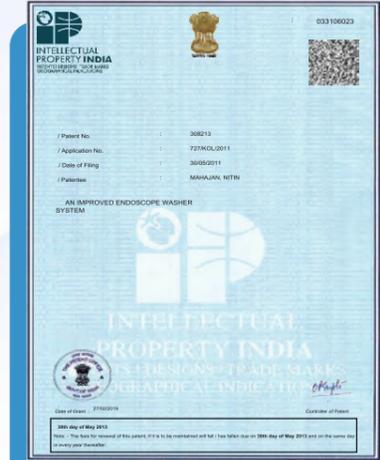
An Improved Endoscope Washer System
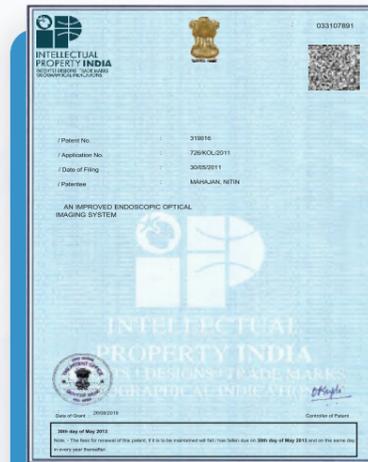
An Improved Endoscopic Optical Imaging System

LED Flexible Medical Endoscope
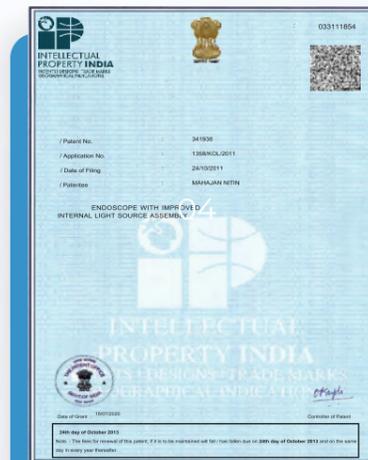
Endoscope with Improved Internal Light Source Assembly
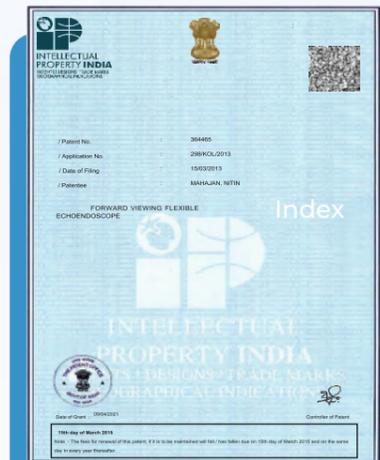
Forward Viewing Flexible Echoendoscope

With Ottomed Advanced Tech
Fiberless LED-AT-TIP
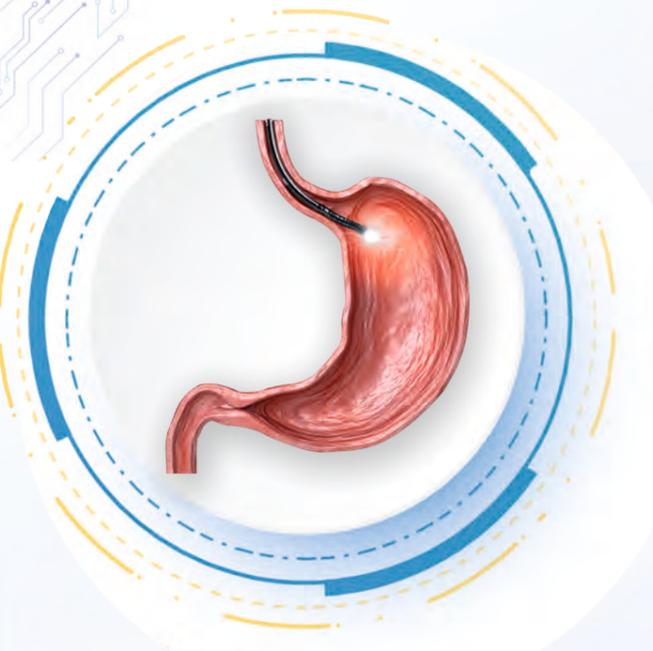
Visible sharp detection,
lively and crystal clear image

A new 1:1 torque sensitive tactile
insertion tube (T-I-T) design.

Experience Enhanced Image Endoscopy

with **mBLU** imaging technology

Conventional Technology

Damaged Light
Guide Fibre
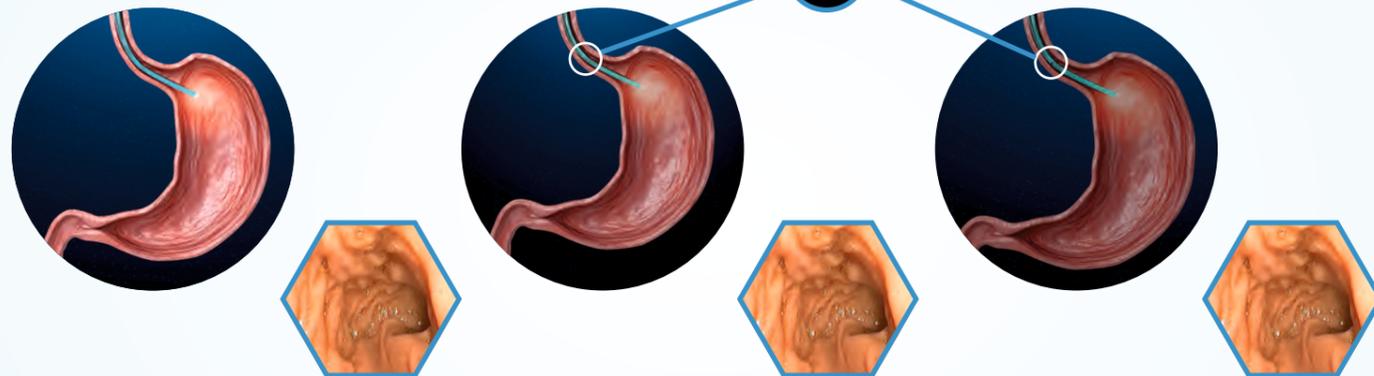
Dedicated Glass Light Guide
Illumination bundle will
always get damaged

Dark and Lifeless Image

Poor Detection and Diagnosis
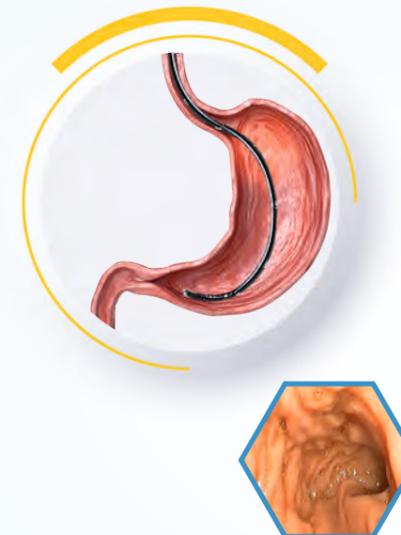
White Light Image

The Next-Generation
Image Technology

mBLU1 Image

Support Study Of Muscosal
Color Characterization

Going Fiberless helps cut repair cost and downtime

LED vs XENON Light Source		
	LED	**XENON**
Working Life (approx)	5000 Hours	500 Hours
Energy Consumption	Low	High
Replacement Cost	Low Due to Longer Life	High Due to Shorter Life Span requiring more replacements

Good Design Provides A Great User Experience.

Tactile Insertion Tube (TIT)

A new 1:1 torque sensitive tactile insertion tube (T-I-T) design
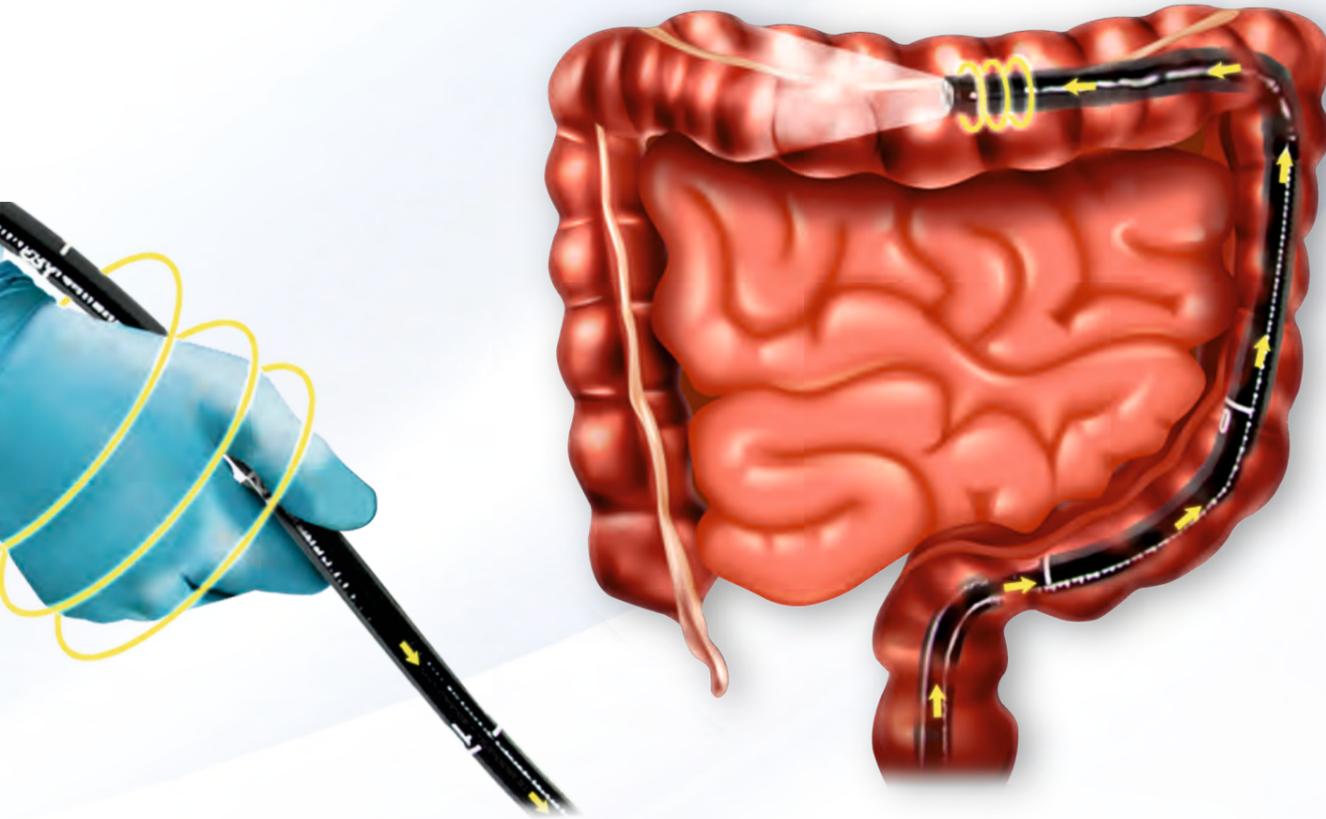
The Quick Torque Transmission (QTT) technology in these scopes provide the endoscopists a rapid control tool to carry out minimally invasive, precise and effective procedures and enabling them to make truly-informed diagnostic and treatment decisions in the best interest of their patients.

Auxilliary Water Jet

A dedicated water irrigation channel to precisely wash the colonic mucosa area in the GI tract and gain better visibility for easier diagnosis and detection.

MITRA
Experience Peace of Mind

Ottomed ENDOSCOPY

Key Features

HD Imaging

mBLU

Extreme Close up
Endoscopy (eCUE)

Multiple O/P & I/P
Video Signal

PIP/POP

Touch Screen

Compact &
Light Weight

STAR PRODUCT

SmartEye-II Plus

Next Generation Digital HD Video Endoscopy System

Model: OVP-SEII Plus

SmartEye-II Plus is a Next Generation Digital HD Video Endoscopy System offering best-in-class features to Gastroenterologists. The HD platform makes diagnostic and therapeutic endoscopic treatments smooth & hurdle free.

*Compatible with all
mB2H and 2H Series Endoscopes

Specifications:

MODEL : OVP-SEII Plus		
Power Supply	Voltage	100-240 VAC
Size	Voltage fluctuation	Within+10%
	Frequency	50/60 Hz
	Frequency fluctuation	Within+3 Hz
	Consumption electric power	75VA
	Fuse rating	4 A, 250 V
	Fuse size	ø5.0 x 20.0 mm
	Dimensions & Weight	320(W) x 500(L) x 152(H) mm 10.3kg
Classification (medical electrical equipment)	Type of protection against electric shock. Degree of protection against electric stock of applied part. Degree of protection against explosion.	Class 1
Observation	Video signal output	VBS composite (PAL), Y/C, HDMI, HD-SDI, DVI-D Simultaneous output is possible.
	Video signal input	VBS composite (PAL), HDMI
	White balance	By pressing the white balance switch on the front panel, automatic white balance can be performed.
	Color tone adjustment	The following color tone adjustments may be using the color tone adjustment on the "System Setup" menu * "R" control:±10 steps * "B" control:±10 steps.
	Iris area selection	The area over which light is measured can be changed according the body part that is being observed. The following to choices can be made using the iris mode selector on the front panel. **Average:** Normal observation **Peak :** When focusing on and/or observing a small bright area
	Image Enhancement mode setting	Structure enhancement in the endoscopic images can be enhanced electrically to increase the image sharpness.
	Gamma Correction	Gamma correction adjustments can be performed by adjusting the gamma value.
	Switching the enhancement modes	The enhancement level can be selected from 3 levels enhancement modes (Low, Med. and High) using theimage enhancement mode on the front button panel.
	Freeze screen display	The endoscopic image can be displayed as a frozen image, using the freeze switch key from endoscope.
	Brightness Selector	The brightness can be adjusted using the brightness adjustment on the "system setup/camera adjustment" menu.
	Remote control	The following function can be controlled by the endoscope's remote switches (Freeze, Record, Light, White Balance, mBLU, Enhancement, Contrast, Focus, Iris, Image Size, Remove Data & EXT In)
	mBLU	This mode is used to switch the normal mode to mBLU mode with white or blue light or vice versa.
	External Storage	USB Memory Stick
Documentation	Patient Data	The following data and modes can be displayed on the video monitor using the keyboard-ID number,patient Name, Sex, Age, Date of Birth, & Comments.
	Display the record state	Date/time (built in clock)
	Pre-procedural patient data	For a maximum of 40 patients- ID number, patient Name, Sex, Age, & Date of Birth
Image Storage & Retrieval	Memorization of selected setting	The following setting on the front panel are stored even when the video processor is turned OFF- System Setup, Setting the image record, Patient Data, Colour Tone, & White Balance.
Memory Backup	Lithium Battery	Life : 5 years
Illumination	LED (White)	At Endoscope Tip
Air Feeding Method	Pump	Diaphragm type pump
	Airflow	"Low", "High", "Stop"
	Airflow Pressurization of water container (detachable)	Air pressurization of water container (detachable)

HD VIDEO GASTROSCOPE

mBLU HD Video Endoscope

Blue Light Imaging

Model: OVG-mB2H
(Compatible Video Processor: OVP-SEII Plus)

Key Features

Fiberless LED-At-Tip

HD Imaging

HD IMAGE

Auxiliary Water Jet Channel

Single Step, Waterproof Connector

Specifications:

MODEL : OVG-mB2H

Optical System	Field Of View	140°
	Direction Of View	Forward Viewing
	Depth Of Field	3-100 mm
	Optical Technology - mBLU	mBLU Mode 1 & mBLU Mode 2
Insertion Tube	Distal End Outer Diameter	9.8 mm
	Insertion Tube Outer Diameter	9.5 mm
	Distal End Enlarged	1. Air/Water Nozzle
		2. Illumination LEDs (W/B)
		3. Objective Lens
		4. Instrument Channel Outlet
		5. Auxiliary Water Channel
Instrument Channel	Working Length	1055 mm
	Channel Inner Diameter	2.8 mm
	Minimum Visible Distance	3 mm from the distal end
	Direction from which endo-therapy accessories enter and exit the endoscopic image.	
Air Flow Rate		30 cm 3/s
Bending Section	Angulation Range	UP 210°
		DOWN 90°
		RIGHT 100°
		LEFT 100°
Total Length		1365 mm
Compatible Video Processor		OVP-SEII Plus

HD VIDEO COLONOSCOPE

mBLU HD Video Endoscope
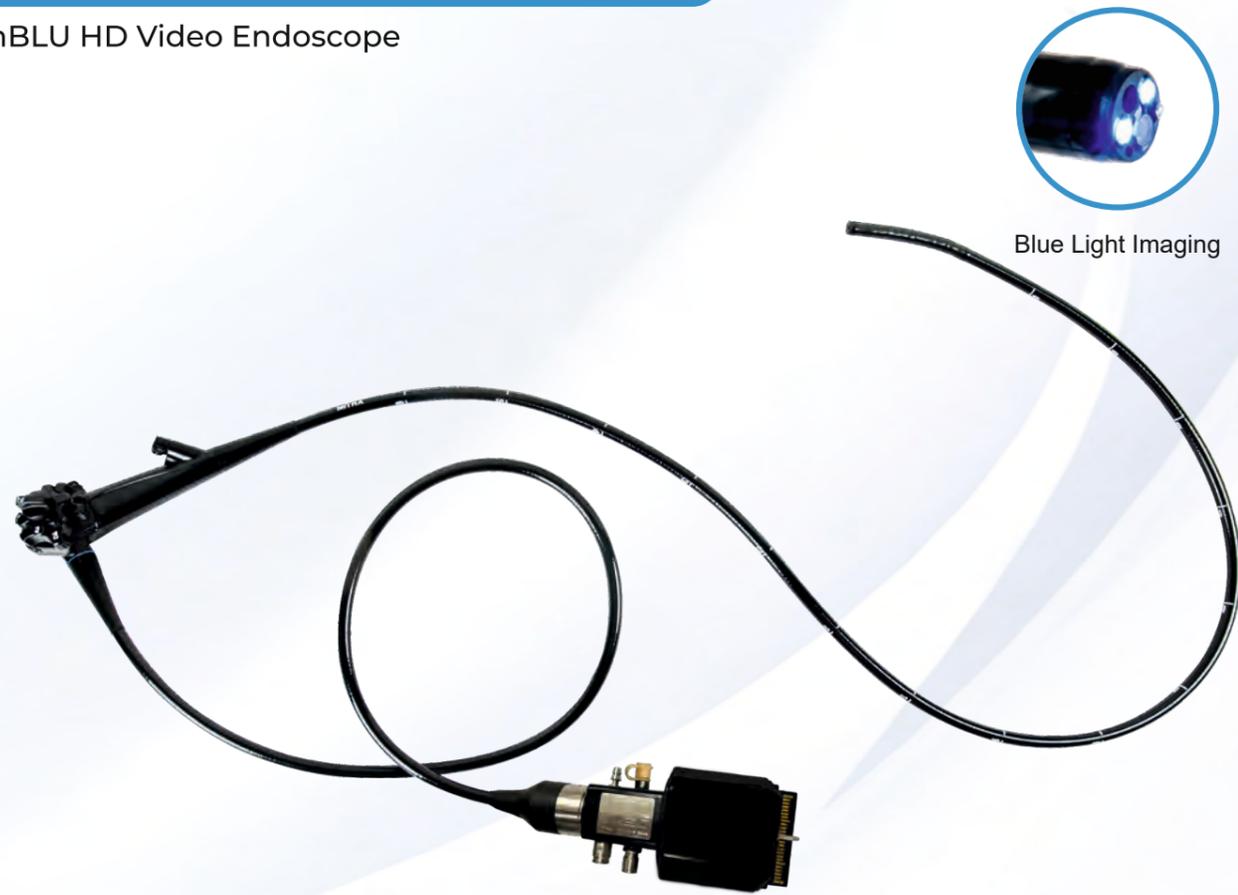
Blue Light Imaging

Model: OVC-mB2H (L/I/S)
(Compatible Video Processor: OVP-SEII Plus)

Key Features

Fiberless LED-At-Tip

HD Imaging

Tactile Insertion Tube
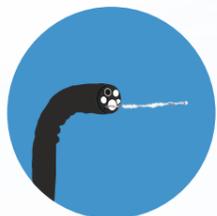
Auxiliary Water Jet Channel

Single Step, Waterproof Connector
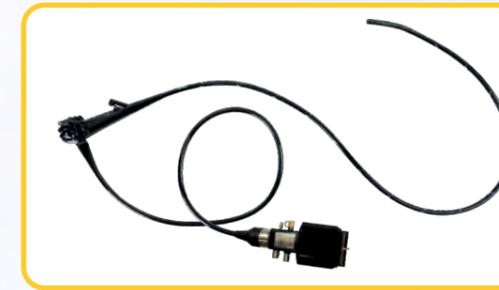
Specifications:

MODEL : OVC-mB2H (L/I/S)

Optical System	Field Of View	140°
	Direction Of View	Forward Viewing
	Depth Of Field	3-100 mm
	Optical Technology - mBLU	mBLU Mode 1 & mBLU Mode 2
Insertion Tube	Distal End Outer Diameter	13 mm
	Insertion Tube Outer Diameter	12.8 mm
	Distal End Enlarged	1. Air/Water Nozzle
		2. Illumination LEDs (W/B)
		3. Objective Lens
		4. Instrument Channel Outlet
		5. Auxiliary Water Channel
	Working Length	L: 1680 mm
		I: 1330 mm
		S: 730 mm
Instrument Channel	Channel Inner Diameter	3.7 mm
	Minimum Visible Distance	3 mm from the distal end
	Direction from which endo-therapy accessories enter and exit the endoscopic image.	
Air Flow Rate		25 cm ⅜s
Bending Section	Angulation Range	UP 180°
		DOWN 180°
		RIGHT 160°
		LEFT 160°
Total Length		L: 1680 mm
		I: 1330 mm
		S: 730 mm
Compatible Video Processor		OVP-SEII Plus

PAEDIATRIC HD VIDEO COLONOSCOPE

mBLU HD Video Endoscope
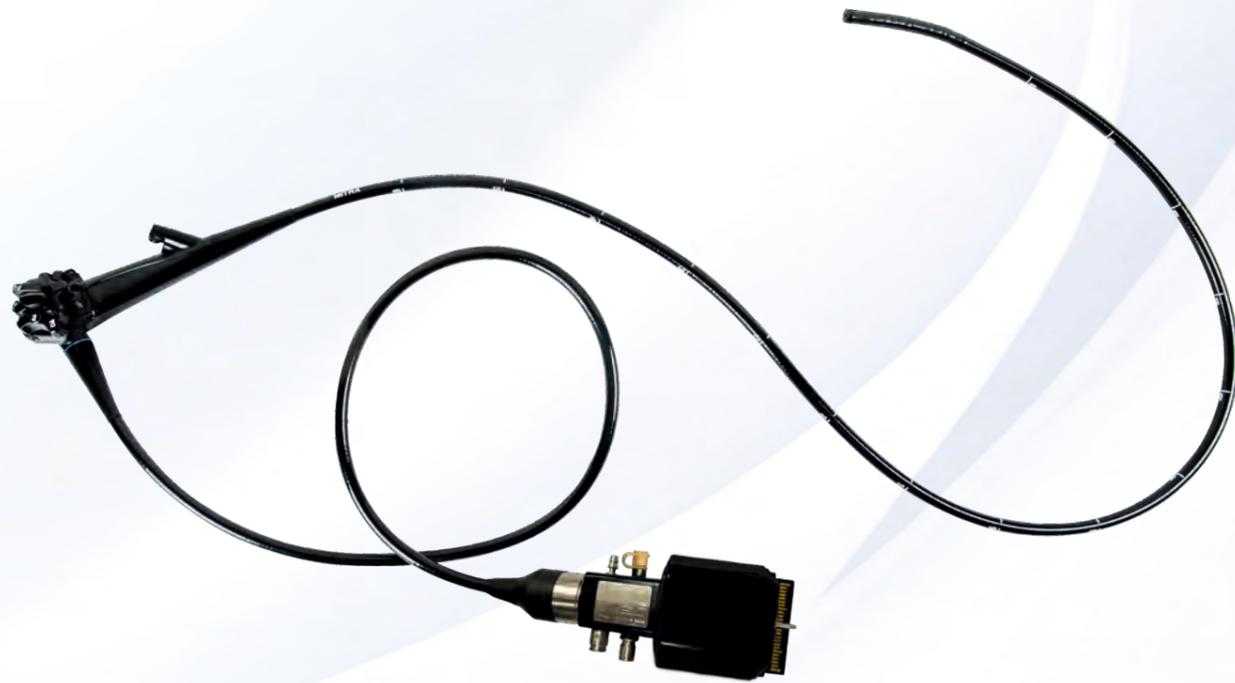
Model: OVC-PmB2H (L/I)
(Compatible Video Processor: OVP-SEII Plus)

Key Features

Fiberless LED-At-Tip

HD Imaging

Tactile Insertion Tube

Auxiliary Water Jet Channel

Single Step, Waterproof Connector
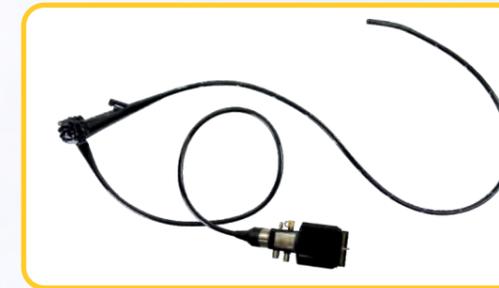
Specifications:

MODEL : OVC-PmB2H (L/I)		
Optical System	Field Of View	140°
	Direction Of View	Forward Viewing
	Depth Of Field	3-100 mm
	Optical Technology - mBLU	mBLU Mode 1 & mBLU Mode 2
Insertion Tube	Distal End Outer Diameter	11.8 mm
	Insertion Tube Outer Diameter	11.8 mm
	Distal End Enlarged	1. Air/Water Nozzle
		2. Illumination LEDs (W/B)
		3. Objective Lens
		4. Instrument Channel Outlet
		5. Auxiliary Water Channel
	Working Length	L: 1680 mm
		I: 1330 mm
Instrument Channel	Channel Inner Diameter	3.2 mm
	Minimum Visible Distance	3 mm from the distal end
	Direction from which endo-therapy accessories enter and exit the endoscopic image.	
Air Flow Rate		25 cm ⅜s
Bending Section	Angulation Range	UP 180°
		DOWN 180°
		RIGHT 160°
		LEFT 160°
Total Length		L: 1980 mm
		I: 1630 mm
Compatible Video Processor		OVP-SEII Plus

HD VIDEO DUODENOSCOPE

Excellent image quality & easy operability in Therapeutic procedure

Model: OVD-2H
(Compatible Video Processor: OVP-SEII Plus, OVP-SEII)

Key Features

Fiberless LED-At-Tip

Single Step, Waterproof Connector

Specifications:

MODEL : OVD-2H		
Optical System	Field Of View	100°
	Direction Of View	Backward side viewing 5°
	Depth Of Field	5-60 mm
	Optical Technology - mBLU	mBLU Mode 1
Insertion Tube	Distal End Outer Diameter	13.5 mm
	Insertion Tube Outer Diameter	12.5 mm
	Distal End Enlarged	1. Air/Water Nozzle
		2. Objective Lens
		3. Illumination LEDs (W)
		4. Elevator
		5. Instrument Channel Outlet
Instrument Channel	Working Length	1260 mm
	Channel Inner Diameter	4.2 mm
	Minimum Visible Distance	10 mm from the distal end
	Direction from which endo-therapy accessories enter and exit the endoscopic image.	
Air Flow Rate		25 cm 3/s
Bending Section	Angulation Range	UP 120°
		DOWN 90°
		RIGHT 110°
		LEFT 90°
Total Length		1545 mm
Compatible Video Processor		OVP-SEII Plus, OVP-SEII

MITRA
Experience Peace of Mind

Ottomed
ENDOSCOPY

MODEL : OVP-SEII

Power Supply	Voltage	100-240 VAC
Size	Voltage fluctuation	Within+10%
	Frequency	50/60 Hz
	Frequency fluctuation	Within+3 Hz
	Consumption electric power	72VA
	Fuse rating	4 A, 250 V
	Fuse size	ø5.0 x 20.0 mm
	Dimensions & Weight	320(W) x 500(L) x 152(H) mm 10.3kg
Classification (medical electrical equipment)	Type of protection against electric shock.	Class 1
	Degree of protection against electric stock of applied part.	Type BF applied part. Where no classifcation mark appears, the device is a TYPE BF applied part.
	Degree of protection against explosion.	The Video Processor should be kept away from fammable gases.
Observation	Video signal output	VBS composite (PAL), Y/C, HDMI, HD-SDI, DVI-D Simultaneous output is possible.
	Video signal input	VBS composite (PAL), HDMI
	White balance	By pressing the white balance switch on the front panel, automatic white balance can be performed.
	Color tone adjustment	The following color tone adjustments may be using the color tone adjustment on the "System Setup" menu * "R" control:±10 steps * "B" control:±10 steps.
	Iris area selection	The area over which light is measured can be changed according the body part that is being observed. The following to choices can be made using the iris mode selector on the front panel. **Average:** Normal observation **Peak :** When focusing on and/or observing a small bright area
	Image Enhancement mode setting	Structure enhancement in the endoscopic images can be enhanced electrically to increase the image sharpness.
	Gamma Correction	Gamma correction adjustments can be performed by adjusting the gamma value.
	Switching the enhancement modes	The enhancement level can be selected from 3 levels enhancement modes (Low, Med. and High) using theimage enhancement mode on the front button panel.
	Freeze screen display	The endoscopic image can be displayed as a frozen image, using the freeze switch key from endoscope.
	Brightness Selector	The brightness can be adjusted using the brightness adjustment on the "system setup/camera adjustment" menu.
	Remote control	The following function can be controlled by the endoscope's remote switches (Freeze, Record, Light, White Balance, mBLU, Enhancement, Contrast, Focus, Iris, Image Size, Remove Data & EXT In)
	mBLU	This mode is used to switch the normal mode to mBLU mode with white or blue light or vice versa.
	External Storage	USB Memory Stick
Documentation	Patient Data	The following data and modes can be displayed on the video monitor using the keyboard-ID number, patient Name, Sex, Age, Date of Birth, & Comments.
	Display the record state	Date/time (built in clock)
	Pre-procedural patient data	For a maximum of 40 patients- ID number, patient Name, Sex, Age,& Date of Birth
Image Storage & Retrieval	Memorization of selected setting	The following setting on the front panel are stored even when the video processor is turned OFF- System Setup, Setting the image record, Patient Data, Colour Tone,& White Balance.
Memory Backup	Lithium Battery	Life : 5 years
Illumination	LED (White)	At Endoscope Tip
Air Feeding Method	Pump	Diaphragm type pump
	Airflow	"Low", "High", "Stop"
	Airflow Pressurization of water container (detachable)	Air pressurization of water container (detachable)

SmartEye-II

Model: OVP-SEII

High Definition Video Endoscopy System

SmartEye-II is a High Definition Digital Video Endoscopy System offering classic features supporting the user for precission diagnosis & detection.

Key Features

HD Imaging

PIP/POP

Extreme Close up Endoscopy (eCUE)

Multiple O/P & I/P Video Signal

Compact & Light Weight

*Compatible with all 2H Series Endoscopes

HD VIDEO GASTROSCOPE

With multiple beneficial LED At Tip Technology

Model: OVG-2H
(Compatible Video Processor: OVP-SEII Plus, OVP-SEII)

Key Features

Fiberless LED-At-Tip

HD IMAGE

HD Imaging

Auxiliary Water Jet Channel

Single Step, Waterproof Connector

Specifications:

MODEL : OVG-2H		
Optical System	Field Of View	140°
	Direction Of View	Forward Viewing
	Depth Of Field	3-100 mm
	Optical Technology - mBLU	mBLU Mode 1
Insertion Tube	Distal End Outer Diameter	9.8 mm
	Insertion Tube Outer Diameter	9.5 mm
	Distal End Enlarged	1. Air/Water Nozzle
		2. Illumination LEDs (W)
		3. Objective Lens
		4. Instrument Channel Outlet
		5. Auxiliary Water Channel
Instrument Channel	Working Length	1055 mm
	Channel Inner Diameter	2.8 mm
	Minimum Visible Distance	3 mm from the distal end
	Direction from which endo-therapy accessories enter and exit the endoscopic image.	
Air Flow Rate		30 cm 3/s
Bending Section	Angulation Range	UP 210°
		DOWN 90°
		RIGHT 100°
		LEFT 100°
Total Length		1365 mm
Compatible Video Processor		OVP-SEII Plus, OVP-SEII

ULTRA SLIM HD VIDEO GASTROSCOPE

With multiple beneficial LED At Tip Technology

Model: OVG-2HUS
(Compatible Video Processor: OVP-SEII Plus, OVP-SEII)
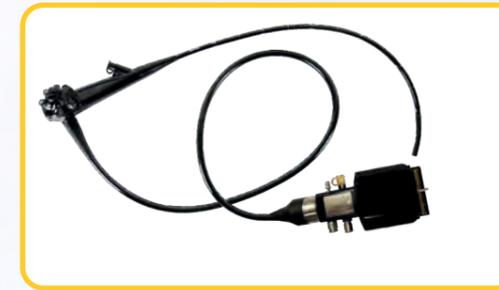
Key Features

Fiberless LED-At-Tip

HD Imaging

Single Step, Waterproof Connector

Specifications:

MODEL : OVG-2HUS

Optical System	Field Of View	140°
	Direction Of View	0° Forward Viewing
	Depth Of Field	3-100 mm
Insertion Tube	Distal End Outer Diameter	7.8 mm
	Insertion Tube Outer Diameter	7.8 mm
	Distal End Enlarged	1. Air/Water Nozzle
		2. Illumination LEDs (W)
		3. Objective Lens
		4. Instrument Channel Outlet
Instrument Channel	Working Length	1055 mm
	Channel Inner Diameter	2.2 mm
	Minimum Visible Distance	3 mm from the distal end
	Direction from which endo-therapy accessories enter and exit the endoscopic image.	
Air Flow Rate		30 cm 3/s
Bending Section	Angulation Range	UP 210°
		DOWN 90°
		RIGHT 100°
		LEFT 100°
Total Length		1365 mm
Compatible Video Processor		OVP-SEII Plus, OVP-SEII

HD VIDEO COLONOSCOPE

New Tactile Insertion Tube (TIT) technology
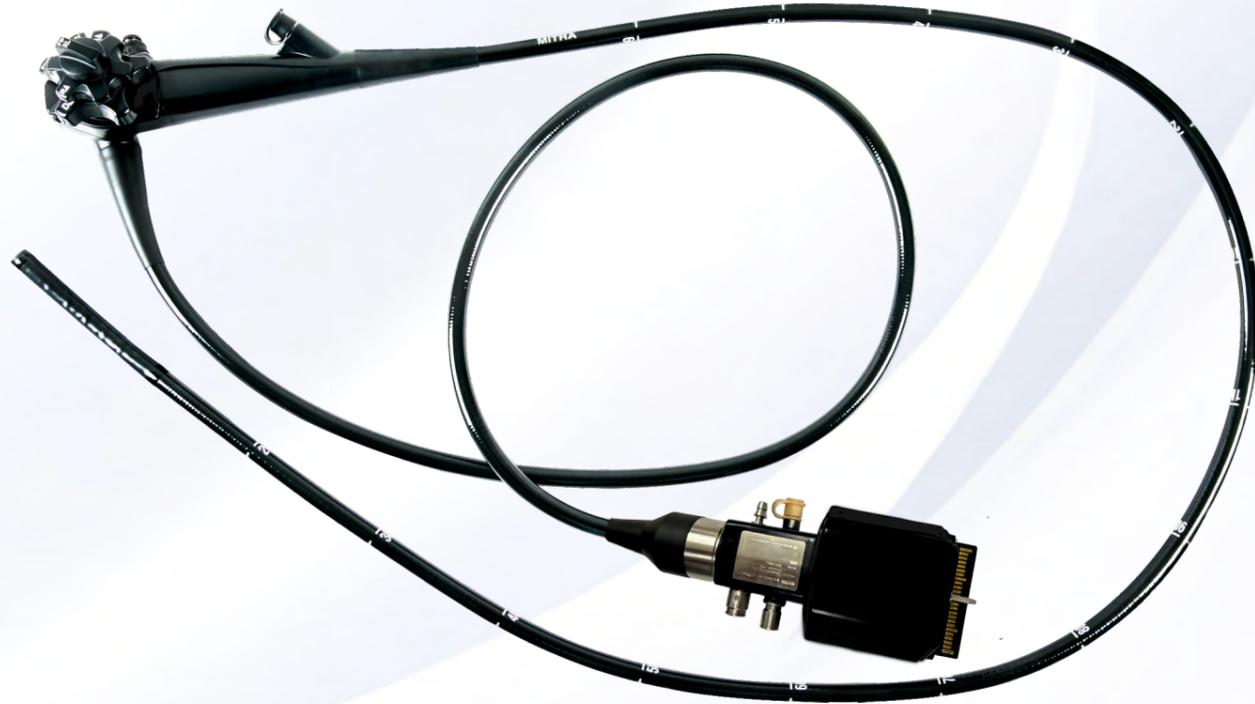
Model: OVC-2H (L/I/S)
(Compatible Video Processor: OVP-SEII Plus, OVP-SEII)

Key Features

Fiberless LED-At-Tip

HD IMAGE

HD Imaging

Tactile Insertion Tube

Auxiliary Water Jet Channel

Single Step, Waterproof Connector

Specifications:

MODEL : OVC-2H (L/I/S)		
Optical System	Field Of View	140°
	Direction Of View	Forward Viewing
	Depth Of Field	3-100 mm
	Optical Technology - mBLU	mBLU Mode 1
Insertion Tube	Distal End Outer Diameter	13 mm
	Insertion Tube Outer Diameter	12.8 mm
	Distal End Enlarged	1. Air/Water Nozzle
		2. Illumination LEDs (W/B)
		3. Objective Lens
		4. Instrument Channel Outlet
		5. Auxiliary Water Channel
	Working Length	L: 1680 mm
		I: 1330 mm
		S: 730 mm
Instrument Channel	Channel Inner Diameter	3.7 mm
	Minimum Visible Distance	3 mm from the distal end
	Direction from which endo-therapy accessories enter and exit the endoscopic image.	
Air Flow Rate		25 cm ⅜s
Bending Section	Angulation Range	UP 180°
		DOWN 180°
		RIGHT 160°
		LEFT 160°
Total Length		L: 1980 mm
		I: 1630 mm
		S: 1030 mm
Compatible Video Processor		OVP-SEII Plus, OVP-SEII

HD VIDEO COLONOSCOPE

HD Paediatric Video Endoscope

Model: OVC-P2H (L/I)
(Compatible Video Processor: OVP-SEII Plus, OVP-SEII)

Key Features
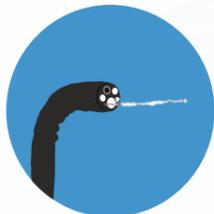
Fiberless LED-At-Tip

HD IMAGE

HD Imaging

Tactile Insertion Tube

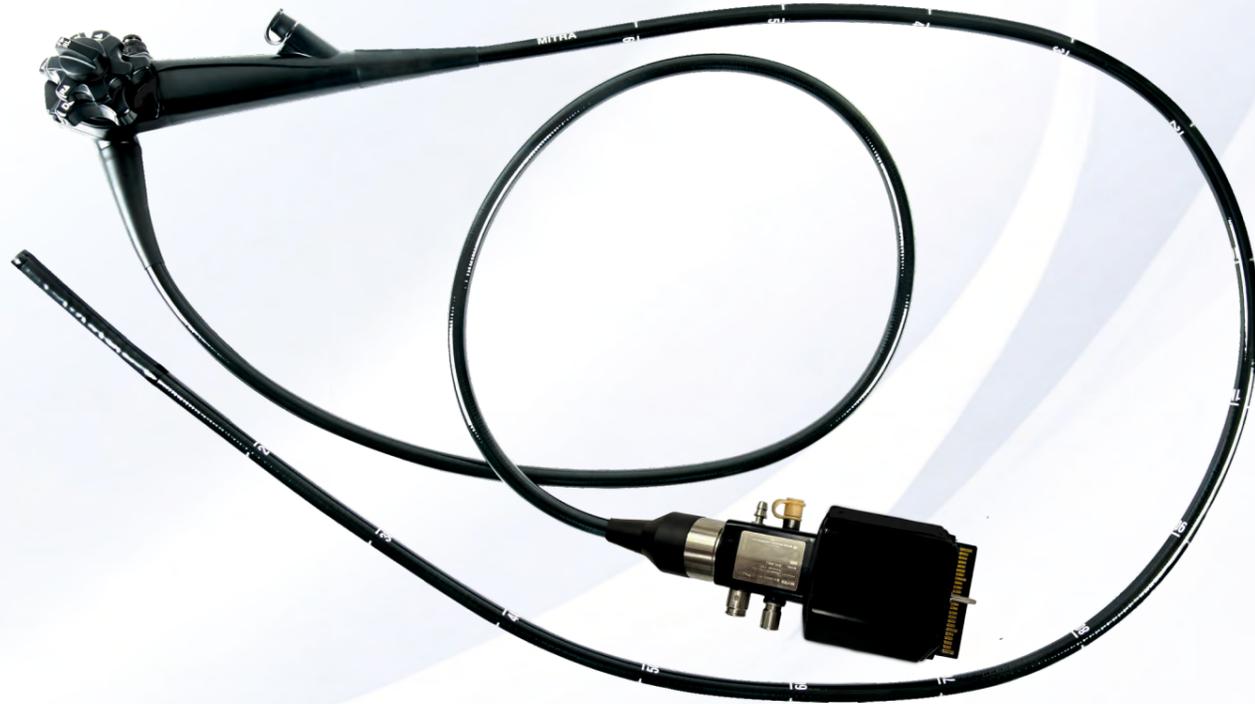Auxiliary Water Jet Channel

Single Step, Waterproof Connector
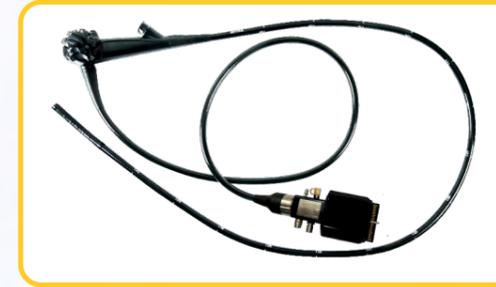
Specifications:

MODEL : OVC-P2H (L/I)		
Optical System	Field Of View	140°
	Direction Of View	Forward Viewing
	Depth Of Field	3-100 mm
	Optical Technology - mBLU	mBLU Mode 1
Insertion Tube	Distal End Outer Diameter	11.8 mm
	Insertion Tube Outer Diameter	11.8 mm
	Distal End Enlarged	1. Air/Water Nozzle
		2. Illumination LEDs (W/B)
		3. Objective Lens
		4. Instrument Channel Outlet
		5. Auxiliary Water Channel
	Working Length	L: 1680 mm
		I: 1330 mm
Instrument Channel	Channel Inner Diameter	3.2 mm
	Minimum Visible Distance	3 mm from the distal end
	Direction from which endo-therapy accessories enter and exit the endoscopic image.	
Air Flow Rate		25 cm ³⁄s
Bending Section	Angulation Range	UP 180°
		DOWN 180°
		RIGHT 160°
		LEFT 160°
Total Length		L: 1980 mm
		I: 1630 mm
Compatible Video Processor		OVP-SEII Plus, OVP-SEII

HD VIDEO DUODENOSCOPE

Excellent image quality & easy operability in Therapeutic procedure

Model: OVD-2H
(Compatible Video Processor: OVP-SEII Plus, OVP-SEII)

Key Features

Fiberless LED-At-Tip

Single Step, Waterproof Connector

Specifications:

MODEL : OVD-2H		
Optical System	Field Of View	100°
	Direction Of View	Backward side viewing 5°
	Depth Of Field	5-60 mm
	Optical Technology - mBLU	mBLU Mode 1
Insertion Tube	Distal End Outer Diameter	13.5 mm
	Insertion Tube Outer Diameter	12.5 mm
	Distal End Enlarged	1. Air/Water Nozzle
		2. Objective Lens
		3. Illumination LEDs (W)
		4. Elevator
		5. Instrument Channel Outlet
Instrument Channel	Working Length	1260 mm
	Channel Inner Diameter	4.2 mm
	Minimum Visible Distance	10 mm from the Distal End
	Direction from which endo-therapy accessories enter and exit the endoscopic image.	
Air Flow Rate		25 cm 3/s
Bending Section	Angulation Range	UP 120°
		DOWN 90°
		RIGHT 110°
		LEFT 90°
Total Length		1545 mm
Compatible Video Processor		OVP-SEII Plus, OVP-SEII

*

mBLU

MITRA
SMARTEYE-S3
ENDOSCOPE

HOME ENHANCE WHT BAL mBLU
VID REC LIGHT PUMP ZOOM
⚠ CAUTION: DRY THE CONNECTOR BEFORE INSERTION

SmartEye- S3

Multi-featured Video Endoscopy System

Model: OVP-S3

Key Features

8in1

Fiberless LED-At-Tip

8 IN 1 Scope Connectivity

Video Recording

Image Capturing

Multiple Video Signals

Scope Identification

Single Step, Waterproof Connector

Compact & Light Weight

*Compatible with all S2+ Series Endoscopes

Specifications:

MODEL : OVP-S3

Category	Parameter	Value
Power Supply	Voltage	100-240 VAC
	Voltage fluctuation	Within ±10%
	Frequency	50/60 Hz
	Frequency fluctuation	Within ±3 Hz
	Consumption electric power	40 VA
	Fuse rating	4 A, 250 V
	Fuse size	ø5.0 x 20.0 mm
Size	Dimensions	445 (W) x 320 (L) x 152 (H) mm
	Weight	8.9 kg
Classification (medical electrical equipment)	Type of protection against electric shock.	Class 1
	Degree of protection against electric shock of applied part.	Depends on the applied part. (The degree of protection against electric shock of this product is BF type if the mounting part be connected to this product is BF type. Note that CF type is not compatible with this product).
Observation	Degree of protection against explosion.	The Video Processor should be kept away from flammable gases.
	Analog SD TV signal output	Y/C x 1, VBS x 1 simultaneous output is possible.
	Digital signal output	HDMI x 2 , DVI-D x 2 simultaneous output is possible.
	White balance	By pressing the white balance switch on the front panel, automatic white balance can be performed.
	Color tone adjustment	The following color tone adjustments may be using the color tone adjustment on the "System Setup" menu.* "R" control: ±5 steps, * "G" control: ±5 steps,* "B" control: ±5 steps, * Chroma : ±5 steps.
	Image settings	Contrast: ±5 steps, Brightness: ±5 steps, Gamma: ±5 steps.
	Image size option	Small, Medium, Default & Large
	Light target	ALC: ±5 steps
	Iris area selection	The area over which light is measured can be changed according the body part that is being observed. The following two choices can be made using the iris mode selector on keyboard and endoscope remote switch. Average: Normal observation.Peak: When focusing on and/or observing a small bright area.
	Image enhancement mode setting	Fine patterns or edges in the endoscopic images can be enhanced electrically to increase the image sharpness.
	Gamma correction	Gamma correction adjustments can be performed by adjusting the gamma value.
	Switching the enhancement modes	The enhancement level can be selected from 3 Level enhancement mode (Low, Med and High) using the image enhancement mode on the front button panel.
	Brightness selector	The brightness can be adjusted using the brightness adjustment on the "System & Image setting menu.
	Contrast selector	The contrast can be adjusted using the contrast adjustment on the "System Image setting" menu.
	Zoom	1.3x
	Remote control	The following functions can be controlled by the endoscopes's remote switches (Light, White Balance, Freeze, Zoom, Record Video, Iris, Record Image, Enhancement, Image Size, mBLU, Remove Data, No Option)
	*mBLU (Optional feature)	This mode is used to switch the normal mode to mBLU mode - 1 & mBLU mode - 2
	Freeze screen display	The endoscopic image can be displayed as a frozen image, using the freeze switch key from endoscope.
	Pre-Freeze	While capturing a image, the function analyzes previous images & display the sharpest image from the view.
Portable Memory	Media	USB mass storage
	Image recording	PNG Format
	Movie recording	AVI
Documentation	Patient data	The following data and modes can be displayed on the video monitor using the keyboard - ID number, Doctor Name, Patient Name, Sex, Age, Date of Birth & Comments.
	Display the record state	Date/time (built-in clock)
	Scope information data	The following scope information can be displayed on the monitor - Scope Model No., Serial No., Insertion Tube Diameter, Channel Diameter, Distal End Diameter & User details
USB Ports	Total 3 nos.	Keyboard & External Storage
Memory backup	Number of user settings	User settings up to 5nos. users
	User function settings	Settings are held in video processor memory, even after video system is turned off.
	Lithium battery	Life: 5 years
Illumination	Fibreless LED (White)	At the endoscope's Tip
	Pump	Diaphragm type pump
	Airflow	3-mode (OFF, Low, High)
Water feeding		Air pressurization of water container (detachable)

VIDEO GASTROSCOPE

S2+ Series

Model: OVG-S2+
(Compatible Video Processor: OVP-S3)

Specifications:

MODEL : OVG-S2+		
Optical System	Field Of View	120°
	Direction Of View	Forward Viewing
	Depth Of Field	3-100 mm
Insertion Tube	Distal End Outer Diameter	9.8 mm
	Insertion Tube Outer Diameter	9.5 mm
	Distal End Enlarged	1. Air/Water Nozzle
		2. Illumination LEDs (W)
		3. Objective Lens
		4. Instrument Channel Outlet
Instrument Channel	Working Length	1055 mm
	Channel Inner Diameter	2.8 mm
	Minimum Visible Distance	3 mm from the Distal End
	Direction from which endo-therapy accessories enter and exit the endoscopic image.	
Air Flow Rate		30 cm 3/s
Bending Section	Angulation Range	UP 210°
		DOWN 90°
		RIGHT 100°
		LEFT 100°
Total Length		1365 mm
Compatible Video Processor		OVP-S3

Key Features

Fiberless LED-At-Tip

CMOS Sensor

Remote Button

Single Step, Waterproof Connector

ULTRA SLIM VIDEO GASTROSCOPE
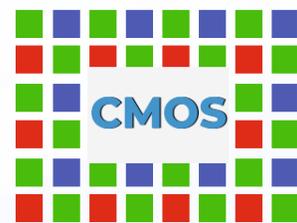
S2+ Series

Model: OVG-S2+US
(Compatible Video Processor: OVP-S3)

Key Features

Fiberless LED-At-Tip
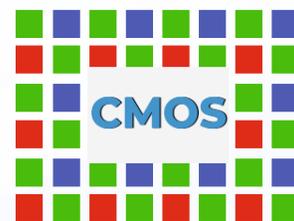
CMOS Sensor

Remote Button

Single Step, Waterproof Connector

Specifications:

MODEL : OVG-S2+US		
Optical System	Field Of View	120°
	Direction Of View	Forward Viewing
	Depth Of Field	3-100 mm
Insertion Tube	Distal End Outer Diameter	7.8 mm
	Insertion Tube Outer Diameter	7.8 mm
	Distal End Enlarged	Air/Water Nozzle, Up, Illumination LEDs (W), Left, Right, Objective Lens, Down, Instrument Channel Outlet
Instrument Channel	Working Length	1055 mm
	Channel Inner Diameter	2.2 mm
	Minimum Visible Distance	3.5 mm from the Distal End
	Direction from which endo-therapy accessories enter and exit the endoscopic image.	
Bending Section	Angulation Range	UP 210°
		DOWN 90°
		RIGHT 100°
		LEFT 100°
Total Length		1365 mm
Compatible Video Processor		OVP-S3

VIDEO COLONOSCOPE

S2+ Series

Model: OVC-S2+
(Compatible Video Processor: OVP-S3)

Key Features

Fiberless LED-At-Tip

CMOS Sensor

Remote Button

Single Step, Waterproof Connector
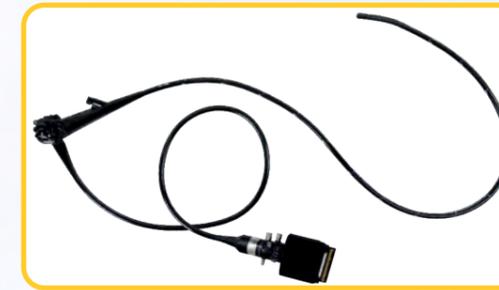
Specifications:

MODEL : OVC-S2+		
Optical System	Field Of View	120°
	Direction Of View	Forward Viewing
	Depth Of Field	3-100 mm
Insertion Tube	Distal End Outer Diameter	13 mm
	Insertion Tube Outer Diameter	12.8 mm
	Distal End Enlarged	1. Air/Water Nozzle
		2. Illumination LEDs (W)
		3. Objective Lens
		4. Instrument Channel Outlet
Instrument Channel	Working Length	1650 mm
	Channel Inner Diameter	3.7 mm
	Minimum Visible Distance	5 mm from the Distal End
	Direction from which endo-therapy accessories enter and exit the endoscopic image.	
Air Flow Rate		25 cm 3/s
Bending Section	Angulation Range	UP 180°
		DOWN 180°
		RIGHT 160°
		LEFT 160°
Total Length		1980 mm
Compatible Video Processor		OVP-S3

VIDEO COLONOSCOPE

HD Paediatric Video Endoscope
S2+ Series

Model: OVC-PS2+L
(Compatible Video Processor: OVP-S3)

Key Features

Fiberless LED-At-Tip
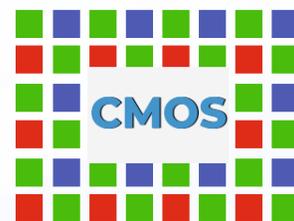
CMOS Sensor
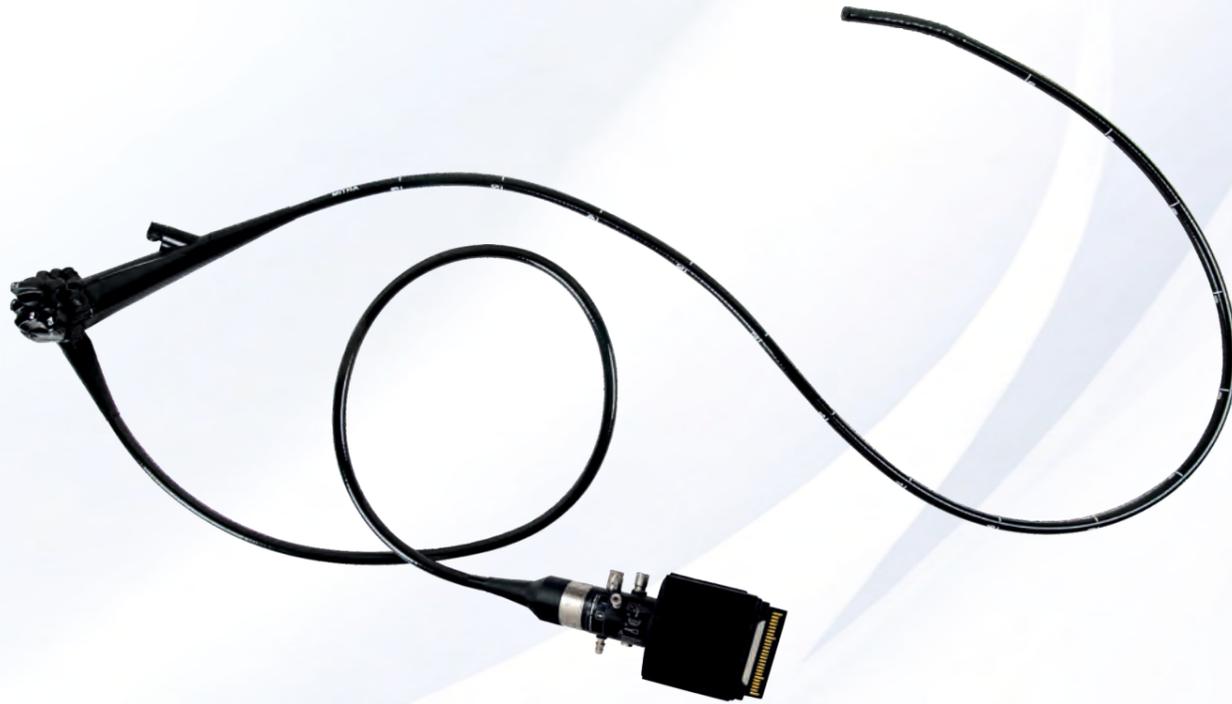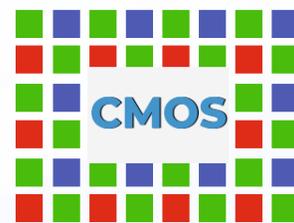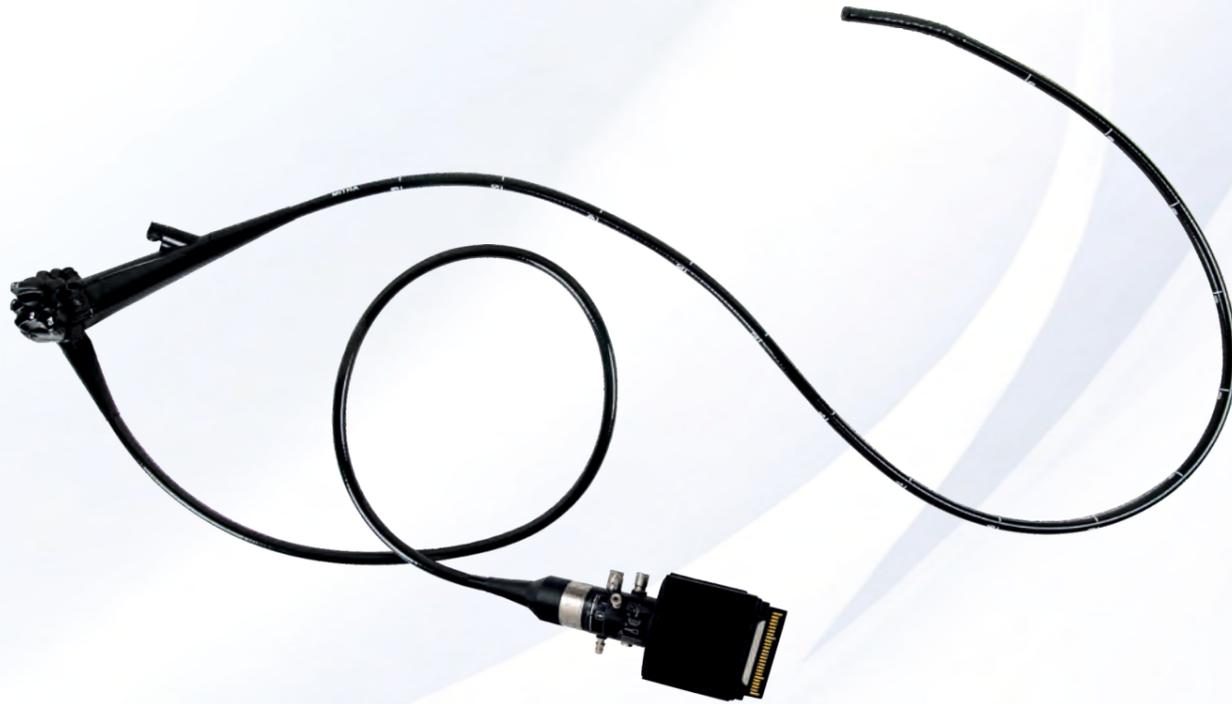

Remote Button

Single Step, Waterproof Connector
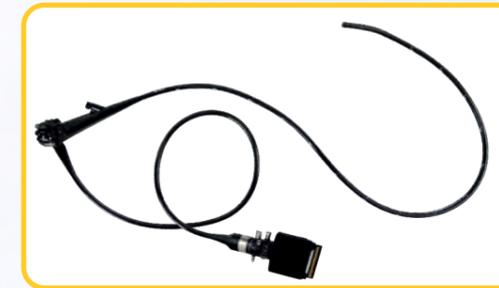
Specifications:

MODEL : OVC-PS2+(L)

Optical System	Field Of View	120°
	Direction Of View	Forward Viewing
	Depth Of Field	3-100 mm
Insertion Tube	Distal End Outer Diameter	11.8 mm
	Insertion Tube Outer Diameter	11.8 mm
	Distal End Enlarged	1. Air/Water Nozzle
		2. Illumination LEDs (W)
		3. Objective Lens
		4. Instrument Channel Outlet
Instrument Channel	Working Length	1680 mm
	Channel Inner Diameter	3.2 mm
	Minimum Visible Distance	3 mm from the Distal End
	Direction from which endo-therapy accessories enter and exit the endoscopic image.	
Air Flow Rate		25 cm 3/s
Bending Section	Angulation Range	UP 180°
		DOWN 180°
		RIGHT 160°
		LEFT 160°
Total Length		1980 mm
Compatible Video Processor		OVP-S3

VIDEO BRONCHOSCOPE

S2+ Series

Model: OVB-S2+ / OVB-XS2+ / OVB-PS2+ / OVB-XPS2+ / OVB-CS2+
(Compatible Video Processor: OVP-S3)

Key Features

Fiberless LED-At-Tip

CMOS Sensor

Laser Compatible

Single Step, Waterproof Connector
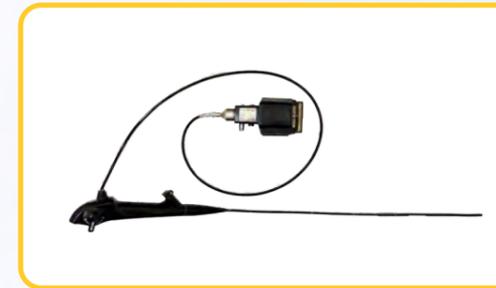
Specifications:

MODEL		OVB-S2+	OVB-XS2+	OVB-PS2+	OVB-XPS2+	OVB-CS2+
Optical System	Field of view	120°	120°	120°	120°	120°
	Direction of view	Forward View	Forward View	Forward View	Forward View	Forward View
	Depth of field	3-60mm	3-60mm	3-60mm	3-60mm	3-60mm
Insertion Tube	Distal End Outer Diameter	6 mm	6 mm	5 mm	5 mm	3.4 mm
	Insertion Tube Outer Diameter	6 mm	6 mm	5 mm	5 mm	3.3 mm
	Distal End Enlarged	1. Illumination LEDs (W)	1. Illumination LEDs (W)	1. Illumination LEDs (W)	1. Illumination LEDs (W)	1. Illumination LEDs (W)
		2. Image Sensor	2. Image Sensor	2. Image Sensor	2. Image Sensor	2. Image Sensor
		3. Instrument Channel Outlet	3. Instrument Channel Outlet	3. Instrument Channel Outlet	3. Instrument Channel Outlet	3. Instrument Channel Outlet
	Working Length	600 mm	600 mm	600 mm	600 mm	600 mm
Instrument Channel	Channel Inner diameter	2.8 mm	3.2 mm	2 mm	2.2 mm	1.2 mm
	Minimum Visible Distance	3 mm from the Distal End	3 mm from the Distal End	3 mm from the Distal End	3 mm from the Distal End	3 mm from the Distal End
	Direction from which endo-therapy accessories enter and exit the endoscopic image					
Bending Section	Angulation Range	UP 180°, DOWN 130°	UP 180°, DOWN 130°	UP 180°, DOWN 130°	UP 180°, DOWN 130°	UP 180°, DOWN 130°
Total Length		925 mm	925 mm	925 mm	925 mm	955 mm
Laser Compatibility		Nd: YAG, 810nm Diode	Nd: YAG, 810nm Diode	Nd: YAG, 810nm Diode	Nd: YAG, 810nm Diode	Nd: YAG, 810nm Diode
Compatible Video Processor		OVP-S3	OVP-S3	OVP-S3	OVP-S3	OVP-S3

VIDEO PLEURASCOPE

A Slim Size Thoracoscope with Fiberless LED at Tip technology
S2+ Series

Model: OTS-S2+
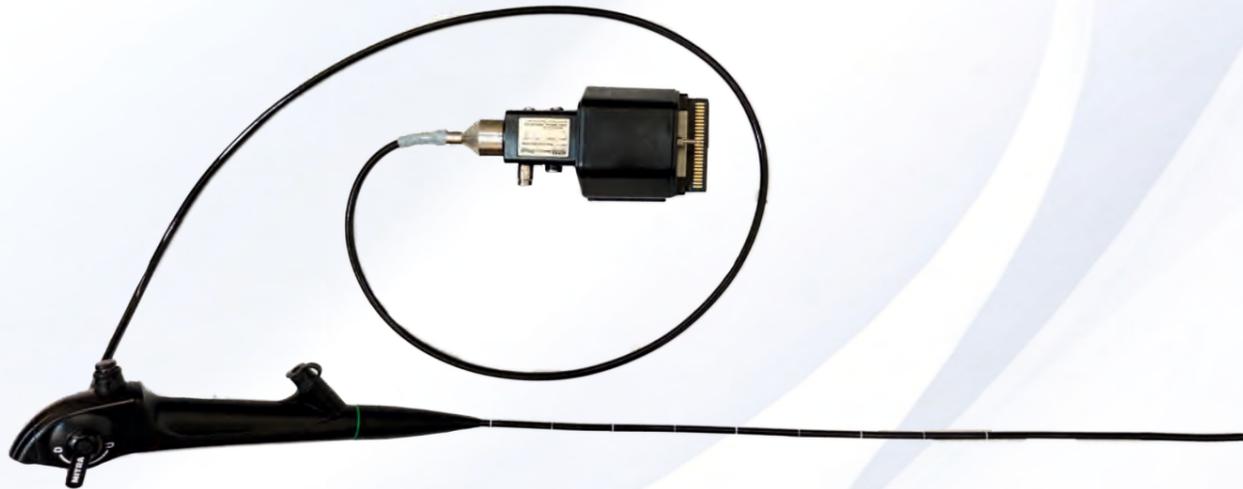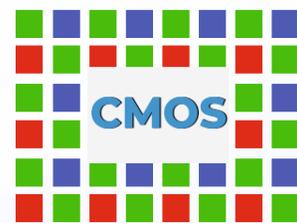(Compatible Video Processor: OVP-S3)

Key Features

Fiberless LED-At-Tip

CMOS Sensor

Laser Compatible

Single Step, Waterproof Connector

Specifications:

MODEL : OTS-S2+		
Optical System	Field Of View	120°
	Direction Of View	Forward Viewing
	Depth Of Field	3-60 mm
Insertion Tube	Distal End Outer Diameter	6 mm
	Rigid Section Outer Diameter	6 mm
	Maximum Insertion Section Outer Diameter	6.7 mm
	Distal End Enlarged	1. Illumination LEDs (W)
		2. Image Sensor
Instrument Channel		3. Instrument Channel Outlet
	Working Length	300 mm
	Channel Inner Diameter	2.8 mm
	Minimum Visible Distance	3 mm from the Distal End
	Direction from which endo-therapy accessories enter and exit the endoscopic image.	
Bending Section	Angulation Range	UP 160°
		DOWN 130°
Total Length		595 mm
Laser Compatiblity		Nd: YAG, 810nm Diode
Compatible Video Processor		OVP-S3

Distal End Tip

Light Weight Design

Flexible Angulation

VIDEO LARYNGOSCOPE

S2+ Series
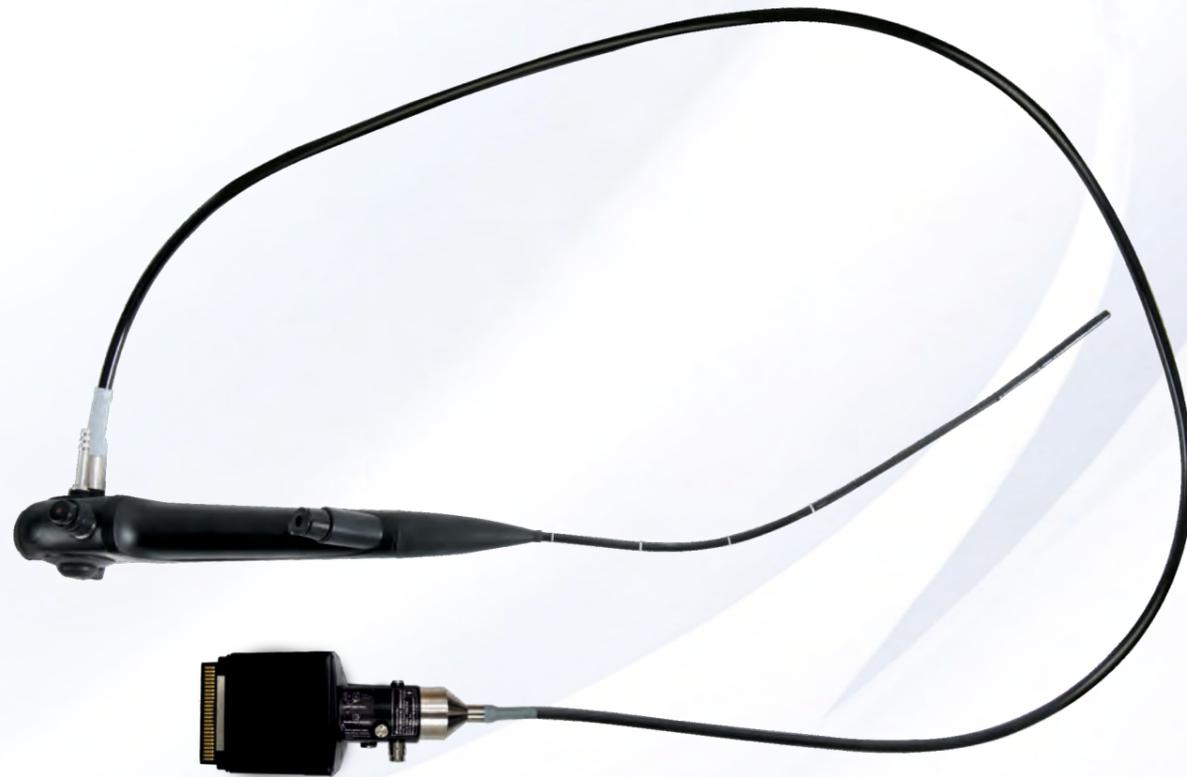
Model: OVL-S2+
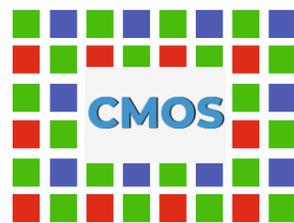### (Compatible Video Processor: OVP-S3)
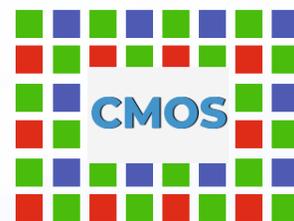
Key Features

Fiberless LED-At-Tip

CMOS Sensor

Laser Compatible
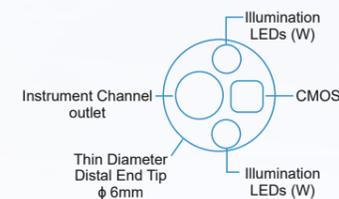

Single Step, Waterproof Connector
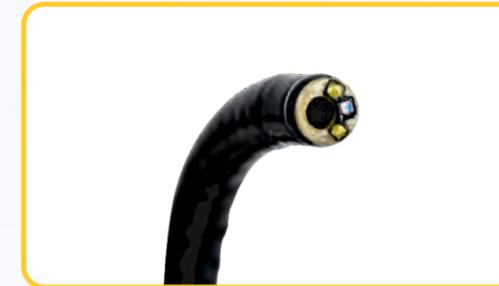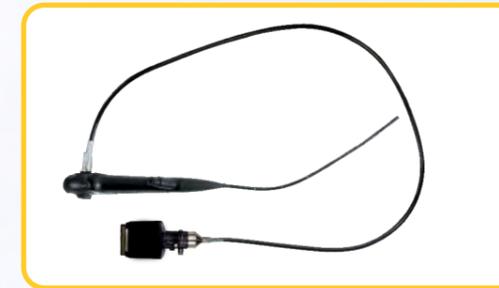
Specifications:

MODEL : OVL-S2+		
Optical System	Field Of View	120°
	Direction Of View	Forward Viewing
	Depth Of Field	3-60 mm
Insertion Tube	Distal End Outer Diameter	4.9 mm
	Insertion Tube Outer Diameter	4.8 mm
	Distal End Enlarged	1. Illumination LEDs (W)
		2. Image Sensor
		3. Instrument Channel Outlet
Instrument Channel	Working Length	350 mm
	Channel Inner Diameter	2 mm
	Minimum Visible Distance	3 mm from the Distal End
	Direction from which endo-therapy accessories enter and exit the endoscopic image.	
Bending Section	Angulation Range	UP 130°
		DOWN 130°
Total Length		645 mm
Laser Compatiblity		Nd: YAG, 810nm Diode
Compatible Video Processor		OVP-S3

# VIDEO URETEROSCOPE

S2+ Series

Model: OUR-S2 / OUR-S2+
(Compatible Video Processor: OVP-S3)
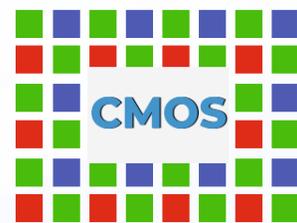
Key Features

Fiberless LED-At-Tip

CMOS Sensor

Laser Compatible

Single Step, Waterproof Connector

Specifications:

MODEL :		OUR-S2	OUR-S2+
Optical System	Field Of View	120°	120°
	Direction Of View	Forward Viewing	Forward Viewing
	Depth Of Field	3-60 mm	3-60 mm
Insertion Tube	Distal End Outer Diameter	3.3 mm	2.85 mm Bullet Shape
	Insertion Tube Outer Diameter	3.3 mm	2.85 mm
	Distal End Enlarged	1. Illumination LEDs (W)	1. Illumination LEDs (W)
		2. Image Sensor	2. Image Sensor
		3. Instrument Channel Outlet	3. Instrument Channel Outlet
Instrument Channel	Working Length	670mm	670 mm
	Channel Inner Diameter	1.2 mm	1.2 mm
	Minimum Visible Distance	3 mm from the Distal End	3 mm from the Distal End
	Direction from which endo-therapy accessories enter and exit the endoscopic image.		
Bending Section	Angulation Range	UP 270°	UP 270°
		DOWN 270°	DOWN 270°
Total Length		965 mm	965 mm
Laser Compatiblity		Nd: YAG, 810nm Diode	Nd: YAG, 810nm Diode
Compatible Video Processor		OVP-S3	OVP-S3

VIDEO CYSTOSCOPE

S2+ Series

Model: OCY-S2+
(Compatible Video Processor: OVP-S3)

Specifications:

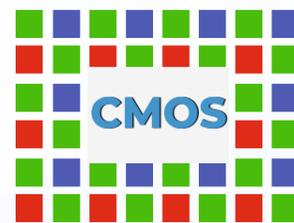| MODEL : OCY-S2+		
Optical System	Field Of View	120°
	Direction Of View	Forward Viewing
	Depth Of Field	3-60 mm
Insertion Tube	Distal End Outer Diameter	2.80 mm Bullet Shape
	Insertion Tube Outer Diameter	5 mm
	Distal End Enlarged	1. Illumination LEDs (W)
		2. Image Sensor
		3. Instrument Channel Outlet
Instrument Channel	Working Length	380 mm
	Channel Inner Diameter	2 mm
	Minimum Visible Distance	3 mm from the Distal End
	Direction from which endo-therapy accessories enter and exit the endoscopic image.	
Bending Section	Angulation Range	UP 210°
		DOWN 130°
Total Length		675 mm
Laser Compatiblity		Nd: YAG, 810nm Diode
Compatible Video Processor		OVP-S3

Key Features

Fiberless LED-At-Tip

CMOS Sensor

Laser Compatible

Single Step, Waterproof Connector

Ottomed
ENDOSCOPY

Specifications:

*

mBLU

GREEN
ECHNOLOGY

Insight-II

Next Generation Digital Video Endoscopy Processor

Model: OVP-IN2

COMPATIBLE WITH

• Bronchoscope • Pleurascope • Laryngoscope • Ureteroscope • Cystoscope • Cholangioscope

Key Features

Fiberless LED-At-Tip

6 IN 1 Scope Connectivity

Video Recording

Image Capturing

Multiple Video Signals

Scope Identification

Single Click Connector

Compact & Light Weight
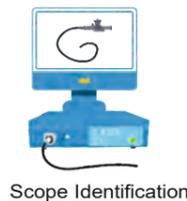
*Compatible with all IN+ Series Endoscopes

| MODEL : OVP-IN2		
Power Supply	Voltage	100-240 VAC
	Voltage fluctuation	Within ±10%
	Frequency	50/60 Hz
	Frequency fluctuation	Within ±3 Hz
	Consumption electric power	18 VA
	Fuse rating	3 A, 250 V
	Fuse size	ø5.0 x 20.0 mm
Size	Dimensions	300 (W) x 295 (L) x 80 (H) mm
	Weight	5 kg
Classification (medical electrical equipment)	Type of protection against electric shock.	Class 1
	Degree of protection against electric shock of applied part.	Type BF applied part. Where no classification mark appears, the device is a type BF applied part.
	Degree of protection against explosion.	The Video Processor should be kept away from flammable gases.
Observation	Analog SD TV signal output	Y/C x 1, VBS x 1 simultaneous output is possible.
	Digital signal output	HDMI x 2 , DVI-D x 2 simultaneous output is possible.
	White balance	By pressing the white balance switch on the front panel, automatic white balance can be performed.
	Color tone adjustment	The following color tone adjustments may be using the color tone adjustment on the "System Setup" menu.* "R" control: ±5 steps, * "G" control: ±5 steps,* "B" control: ±5 steps, * Chroma : ±5 steps.
	Image settings	Contrast: ±5 steps, Brightness: ±5 steps, Gamma: ±5 steps.
	Image size option	Small, Medium, Default & Large
	Light target	ALC: ±5 steps
	Iris area selection	The area over which light is measured can be changed according the body part that is being observed. The following two choices can be made using the iris mode selector on keyboard and endoscope remote switch. Average: Normal observation.Peak: When focusing on and/or observing a small bright area.
	Image enhancement mode setting	Fine patterns or edges in the endoscopic images can be enhanced electrically to increase the image sharpness.
	Gamma correction	Gamma correction adjustments can be performed by adjusting the gamma value.
	Switching the enhancement modes	The enhancement level can be selected from 3 Level enhancement mode (Low,Med and High) using the image enhancement mode on the front button panel.
	Brightness selector	The brightness can be adjusted using the brightness adjustment on the "System & Image setting menu.
	Contrast selector	The contrast can be adjusted using the contrast adjustment on the "System Image setting" menu.
	Zoom	1.3x
	Remote control	Multiple programmable functions can be controlled by the endoscope's 2Nos.remote switches
	*mBLU (Optional feature)	This mode is used to switch the normal mode to mBLU mode - 1 & mBLU mode - 2
	Freeze screen display	The endoscopic image can be displayed as a frozen image, using the freeze switch key from endoscope.
	Pre-Freeze	While capturing a image, the function analyzes previous images & display the sharpest image from the view.
Portable Memory	Media	USB mass storage
Documentation	Patient data	The following data and modes can be displayed on the video monitor using the keyboard * ID number * Doctor Name * Patient Name * Sex, Age * Date of Birth * Comments.
	Display the record state	* Date/time (built-in clock)
	Scope information data	The following scope information can be displayed on the monitor * Scope Model No. * Serial No. * Insertion Tube Diameter * Channel Diameter * Distal End Diameter * User details
USB Ports	Total 3 nos.	Keyboard & External Storage
Memory backup	Number of user settings	User settings up to 5nos. users
	User function settings	Settings are held in video processor memory, even after video system is turned off.
	Lithium battery	Life: 5 years
Illumination	Fibreless LED (White)	At the endoscope's Tip

VIDEO BRONCHOSCOPE

Insight Plus Series

Model: OVB-IN+ / OVB-XIN+ / OVB-PIN+ / OVB-XPIN+ / OVB-CIN+
(Compatible Video Processor: OVP-IN2)

Key Features

Fiberless LED-At-Tip
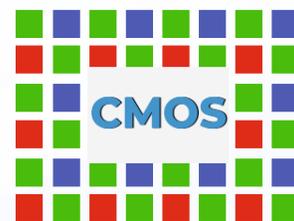
CMOS Sensor

Laser Compatible

Single Click Connector

Specifications:

MODEL : OCY-S2+		OVB-IN+	OVB-XIN+	OVB-PIN+	OVB-XPIN+	OVB-CIN+
Optical System	Field Of View	120°	120°	120°	120°	120°
	Direction Of View	Forward Viewing	Forward Viewing	Forward Viewing	Forward Viewing	Forward Viewing
	Depth Of Field	3-60 mm	3-60 mm	3-60 mm	3-60 mm	3-60 mm
Insertion Tube	Distal End Outer Diameter	6 mm	6 mm	5 mm	5 mm	3.4 mm
	Insertion Tube Outer Diameter	6 mm	6 mm	5 mm	5 mm	3.3 mm
	Distal End Enlarged	1. Illumination LEDs (W)	1. Illumination LEDs (W)	1. Illumination LEDs (W)	1. Illumination LEDs (W)	1. Illumination LEDs (W)
		2. Image Sensor	2. Image Sensor	2. Image Sensor	2. Image Sensor	2. Image Sensor
		3. Instrument Channel Outlet	3. Instrument Channel Outlet	3. Instrument Channel Outlet	3. Instrument Channel Outlet	3. Instrument Channel Outlet
	Working Length	600 mm	600 mm	600 mm	600 mm	600 mm
Instrument Channel	Channel Inner Diameter	2.8 mm	3.2 mm	2 mm	2.2 mm	1.2 mm
	Minimum Visible Distance	3 mm from the Distal End	3 mm from the Distal End	3 mm from the Distal End	3 mm from the Distal End	3 mm from the Distal End
	Direction from which endo-therapy accessories enter and exit the endoscopic image.					
Bending Section	Angulation Range	UP 180°	UP 180°	UP 180°	UP 180°	UP 180°
		DOWN 130°	DOWN 130°	DOWN 130°	DOWN 130°	DOWN 130°
Total Length		925 mm	925 mm	925 mm	925 mm	955 mm
Laser Compatiblity		Nd: YAG, 810nm Diode	Nd: YAG, 810nm Diode	Nd: YAG, 810nm Diode	Nd: YAG, 810nm Diode	Nd: YAG, 810nm Diode
Compatible Video Processor		OVP-IN2	OVP-IN2	OVP-IN2	OVP-IN2	OVP-IN2

VIDEO PLEURASCOPE

Insight Plus Series
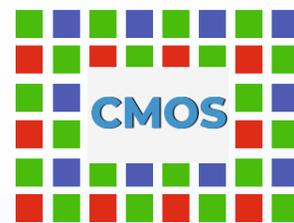A Slim Size Thoracoscope with Fiberless LED at Tip technology

Model: OTS-IN+
(Compatible Video Processor: OVP-IN2)

Key Features
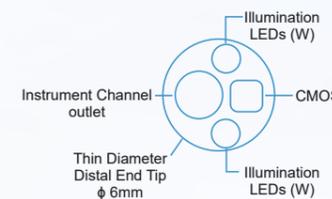

Fiberless LED-At-Tip

CMOS Sensor

Laser Compatible

Single Click Connector

MODEL : OTS-IN+		
Optical System	Field Of View	120°
	Direction Of View	Forward Viewing
	Depth Of Field	3-60 mm
Insertion Tube	Distal End Outer Diameter	6 mm
	Rigid Section Outer Diameter	6 mm
	Maximum Insertion Section Outer Diameter	6.7 mm
Instrument Channel	Distal End Enlarged	1. Illumination LEDs (W)
		2. Image Sensor
		3. Instrument Channel Outlet
	Working Length	300 mm
	Channel Inner Diameter	2.8 mm
	Minimum Visible Distance	3 mm from the Distal End
	Direction from which endo-therapy accessories enter and exit the endoscopic image.	
Bending Section	Angulation Range	UP 160°
		DOWN 130°
Total Length		595 mm
Laser Compatiblity		Nd: YAG, 810nm Diode
Compatible Video Processor		OVP-IN2

Distal End Tip

Light Weight Design

Flexible Angulation

VIDEO LARYNGOSCOPE

Insight Plus Series

Model: OVL-IN+
(Compatible Video Processor: OVP-IN2)

Key Features

Fiberless LED-At-Tip
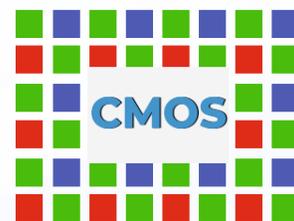
CMOS Sensor

Laser Compatible

Single Click Connector

Specifications:

MODEL : OVL-IN+

Optical System	Field Of View	120°
	Direction Of View	Forward Viewing
	Depth Of Field	3-60 mm
Insertion Tube	Distal End Outer Diameter	4.9 mm
	Insertion Tube Outer Diameter	4.8 mm
	Distal End Enlarged	1. Illumination LEDs (W)
		2. Image Sensor
		3. Instrument Channel Outlet
Instrument Channel	Working Length	350 mm
	Channel Inner Diameter	2 mm
	Minimum Visible Distance	3 mm from the Distal End
	Direction from which endo-therapy accessories enter and exit the endoscopic image.	
Bending Section	Angulation Range	UP 130°
		DOWN 130°
Total Length		645 mm
Laser Compatiblity		Nd: YAG, 810nm Diode
Compatible Video Processor		OVP-IN2

VIDEO URETEROSCOPE

## Insight Plus Series

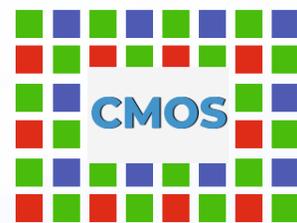### Model:OUR-IN+
(Compatible Video Processor: OVP-IN2)

Key Features

Fiberless LED-At-Tip

CMOS Sensor

Laser Compatible

Single Click Connector

Specifications:

MODEL :		OUR-IN+
Optical System	Field Of View	120°
	Direction Of View	Forward Viewing
	Depth Of Field	3-60 mm
Insertion Tube	Distal End Outer Diameter	2.85 mm Bullet Shape
	Insertion Tube Outer Diameter	2.85 mm
	Distal End Enlarged	1. Illumination LEDs (W)
		2. Image Sensor
		3. Instrument Channel Outlet
Instrument Channel	Working Length	670 mm
	Channel Inner Diameter	1.2 mm
	Minimum Visible Distance	3 mm from the Distal End
	Direction from which endo-therapy accessories enter and exit the endoscopic image.	
Bending Section	Angulation Range	UP 270°
		DOWN 270°
Total Length		965 mm
Laser Compatiblity		Nd: YAG, 810nm Diode
Compatible Video Processor		OVP-IN2

VIDEO CYSTOSCOPE

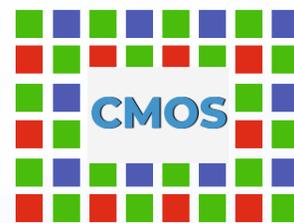## Insight Plus Series

Model: OCY-IN+
(Compatible Video Processor: OVP-IN2)

Key Features

Fiberless LED-At-Tip

CMOS Sensor

CMOS

Laser Compatible

Single Click Connector

Specifications:

MODEL : OCY-IN+		
Optical System	Field Of View	120°
	Direction Of View	Forward Viewing
	Depth Of Field	3-60 mm
Insertion Tube	Distal End Outer Diameter	2.80 mm Bullet Shape
	Insertion Tube Outer Diameter	5 mm
	Distal End Enlarged	1. Illumination LEDs (W)
		2. Image Sensor
		3. Instrument Channel Outlet
Instrument Channel	Working Length	380 mm
	Channel Inner Diameter	2 mm
	Minimum Visible Distance	3 mm from the Distal End
	Direction from which endo-therapy accessories enter and exit the endoscopic image.	
Bending Section	Angulation Range	UP 210°
		DOWN 130°
Total Length		675 mm
Laser Compatiblity		Nd: YAG, 810nm Diode
Compatible Video Processor		OVP-IN2

VIDEO CHOLANGIOSCOPE

Ultra slim baby endoscope
Insight Plus Series

3.30 mm
1.20 mm

GREEN TECHNOLOGY

Model: OBS-IN+
(Compatible Video Processor: OVP-IN2)

Features

Specifications:

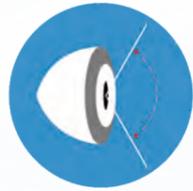| MODEL : OBS-IN+		
Optical System	Field Of View	120°
	Direction Of View	Forward Viewing
	Depth Of Field	2-60 mm
Insertion Tube	Distal End Outer Diameter	3.3 mm
	Insertion Tube Outer Diameter	3.4 mm
	Distal End Enlarged	1. Illumination LEDs (W)
		2. Image Sensor
		3. Instrument Channel Outlet
Instrument Channel	Working Length	1920 mm
	Channel Inner Diameter	1.2 mm
	Minimum Visible Distance	2 mm from the Distal End
	Direction from which endo-therapy accessories enter and exit the endoscopic image.	
Bending Section	Angulation Range	UP 75°
		DOWN 90°
Total Length		2215 mm
Laser Compatiblity		Nd: YAG, 810nm Diode
Compatible Video Processor		OVP-IN2

Key Features

Fiberless LED-At-Tip

CMOS Sensor

120° wide field of view

Laser Compatible

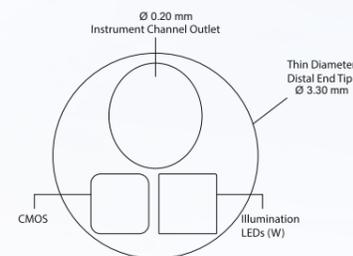Single Click Connector

Ø 0.20 mm
Instrument Channel Outlet

Thin Diameter
Distal End Tip
Ø 3.30 mm

CMOS

Illumination
LEDs (W)

Distal End Tip

Light Weight Design

75°
0°
90°

Flexible Angulation

Video Veterinary Endoscopes

Specifications:

MODEL : OVP-S3

Category	Parameter	Value
Power Supply	Voltage	100-240 VAC
	Voltage fluctuation	Within ±10%
	Frequency	50/60 Hz
	Frequency fluctuation	Within ±3 Hz
	Consumption electric power	40 VA
	Fuse rating	4 A, 250 V
	Fuse size	ø5.0 x 20.0 mm
Size	Dimensions	445 (W) x 320 (L) x 152 (H) mm
	Weight	8.9 kg
Classification (medical electrical equipment)	Type of protection against electric shock.	Class 1
	Degree of protection against electric shock of applied part.	Depends on the applied part. (The degree of protection against electric shock of this product is BF type if the mounting part be connected to this product is BF type. Note that CF type is not compatible with this product).
Observation	Degree of protection against explosion.	The Video Processor should be kept away from flammable gases.
	Analog SD TV signal output	Y/C x 1, VBS x 1 simultaneous output is possible.
	Digital signal output	HDMI x 2 , DVI-D x 2 simultaneous output is possible.
	White balance	By pressing the white balance switch on the front panel, automatic white balance can be performed.
	Color tone adjustment	The following color tone adjustments may be using the color tone adjustment on the "System Setup" menu.* "R" control: ±5 steps, * "G" control: ±5 steps,* "B" control: ±5 steps, * Chroma : ±5 steps.
	Image settings	Contrast: ±5 steps, Brightness: ±5 steps, Gamma: ±5 steps.
	Image size option	Small, Medium, Default & Large
	Light target	ALC: ±5 steps
	Iris area selection	The area over which light is measured can be changed according the body part that is being observed. The following two choices can be made using the iris mode selector on keyboard and endoscope remote switch. Average: Normal observation.Peak: When focusing on and/or observing a small bright area.
	Image enhancement mode setting	Fine patterns or edges in the endoscopic images can be enhanced electrically to increase the image sharpness.
	Gamma correction	Gamma correction adjustments can be performed by adjusting the gamma value.
	Switching the enhancement modes	The enhancement level can be selected from 3 Level enhancement mode (Low,Med and High) using the image enhancement mode on the front button panel.
	Brightness selector	The brightness can be adjusted using the brightness adjustment on the "System & Image setting menu.
	Contrast selector	The contrast can be adjusted using the contrast adjustment on the "System Image setting" menu.
	Zoom	1.3x
	Remote control	The following functions can be controlled by the endoscopes's remote switches (Light, White Balance, Freeze, Zoom, Record Video, Iris, Record Image, Enhancement, Image Size, mBLU, Remove Data, No Option)
	*mBLU (Optional feature)	This mode is used to switch the normal mode to mBLU mode - 1 & mBLU mode - 2
	Freeze screen display	The endoscopic image can be displayed as a frozen image, using the freeze switch key from endoscope.
	Pre-Freeze	While capturing a image, the function analyzes previous images & display the sharpest image from the view.
Portable Memory	Media	USB mass storage
	Image recording	PNG Format
	Movie recording	AVI
Documentation	Patient data	The following data and modes can be displayed on the video monitor using the keyboard * ID number * Doctor Name * Patient Name * Sex, Age * Date of Birth * Comments.
	Display the record state	* Date/time (built-in clock)
	Scope information data	The following scope information can be displayed on the monitor * Scope Model No. * Serial No. * Insertion Tube Diameter * Channel Diameter * Distal End Diameter * User details
USB Ports	Total 3 nos.	Keyboard & External Storage
Memory backup	Number of user settings	User settings up to 5nos. users
	User function settings	Settings are held in video processor memory, even after video system is turned off.
	Lithium battery	Life: 5 years
Illumination	Fibreless LED (White)	At the endoscope's Tip
	Pump	Diaphragm type pump
	Airflow	3-mode (OFF, Low, High)
Water feeding		Air pressurization of water container (detachable)

mBLU *

SmartEye- S3

Multi-featured Video Endoscopy System

Model: OVP-S3

Key Features

Fiberless LED-At-Tip

8 IN 1 Scope Connectivity

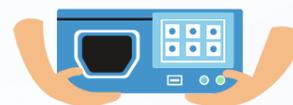Video Recording

Image Capturing

Multiple Video Signals

Scope Identification

Single Step, Waterproof Connector

Compact & Light Weight

*Compatible with all S2+ Series Endoscopes

VIDEO VETERINARY ENDOSCOPE
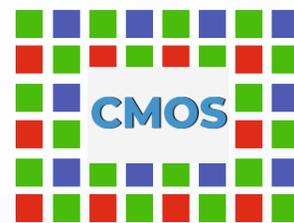
S2+ Series

Model: OVV-S2+ (I/S)
(Compatible Video Processor: OVP-S3)

Key Features

Fiberless LED-At-Tip

CMOS Sensor

Remote Button

Single Step, Waterproof Connector

Specifications:

MODEL : OVV-S2+(I/S)		
Optical System	Field Of View	120°
	Direction Of View	Forward Viewing
	Depth Of Field	3-100 mm
Insertion Tube	Distal End Outer Diameter	9.8 mm
	Insertion Tube Outer Diameter	9.8 mm
	Distal End Enlarged	Air/Water Nozzle — Up — Illumination LEDs (W); Left — Right; Objective Lens — Down — Instrument Channel Outlet
Instrument Channel	Working Length	I-1400 mm/ S- 1055 mm
	Channel Inner Diameter	2.8 mm
	Minimum Visible Distance	3 mm from the Distal End
	Direction from which endo-therapy accessories enter and exit the endoscopic image.	
Bending Section	Angulation Range	UP 180°
		DOWN 14°
		RIGHT 120°
		LEFT 120°
Total Length		I-1710 mm/ S-1355mm
Compatible Video Processor		OVP-S3

VIDEO VETERINARY ENDOSCOPE

S2+ Series

Model: OVV-S2+US (I/S)
(Compatible Video Processor: OVP-S3)

Key Features

Fiberless LED-At-Tip
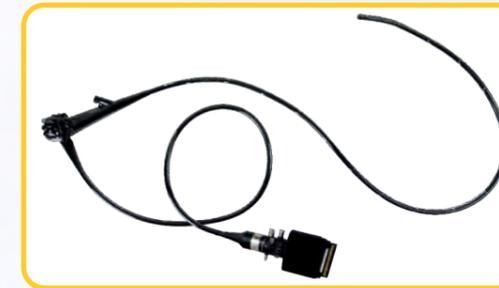

CMOS Sensor

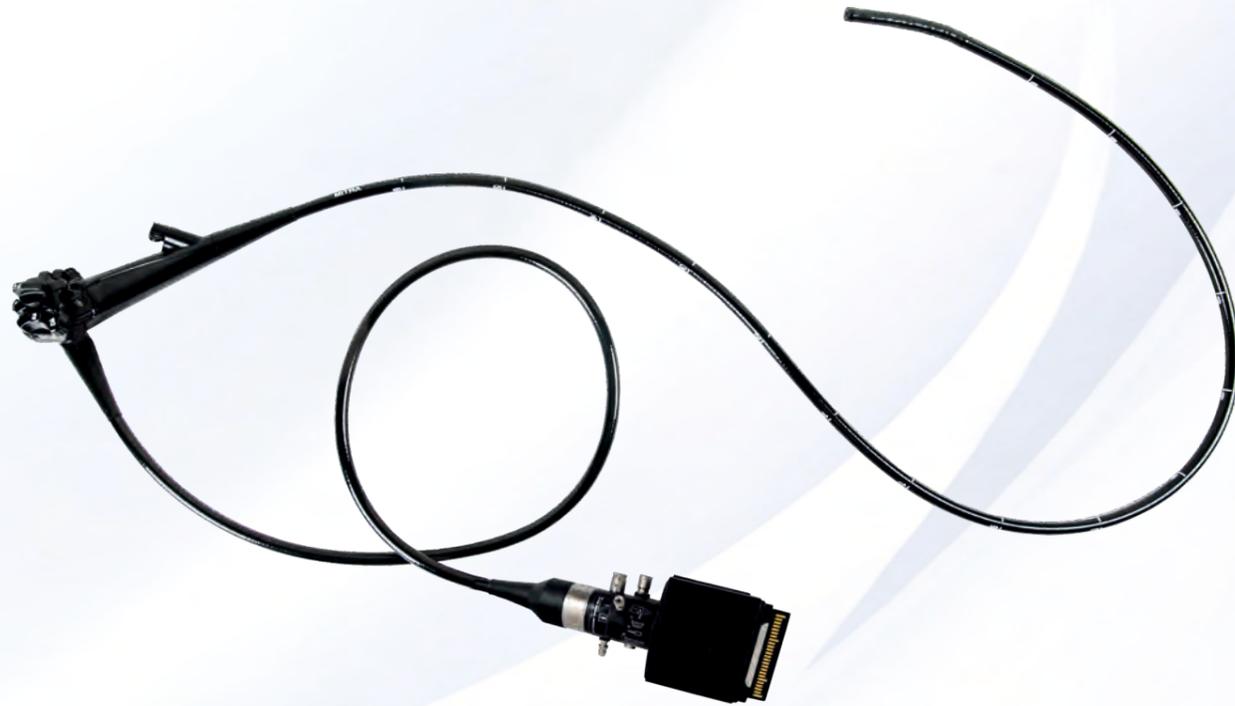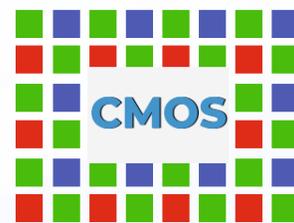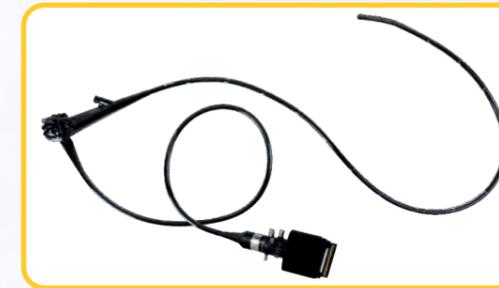Remote Button

Single Step, Waterproof Connector

Specifications:

MODEL : OVV-S2+US(I/S)

Optical System	Field Of View	120°
	Direction Of View	Forward Viewing
	Depth Of Field	3-100 mm
Insertion Tube	Distal End Outer Diameter	7.8 mm
	Insertion Tube Outer Diameter	7.8 mm
	Distal End Enlarged	Air/Water Nozzle, Up, Illumination LEDs (W), Left, Right, Objective Lens, Down, Instrument Channel Outlet
Instrument Channel	Working Length	I-1400 mm/ S- 1055 mm
	Channel Inner Diameter	2.8 mm
	Minimum Visible Distance	3 mm from the Distal End
	Direction from which endo-therapy accessories enter and exit the endoscopic image.	
Bending Section	Angulation Range	UP 180°
		DOWN 120°
		RIGHT 120°
		LEFT 120°
Total Length		I-1710 mm/ S-1355mm
Compatible Video Processor		OVP-S3

![MITRA — Experience Peace of Mind]

![Ottomed ENDOSCOPY]

SmartEye-II

High Definition Video Endoscopy System

SmartEye-II is a High Definition Digital Video Endoscopy System offering classic features supporting the user for precission diagnosis & detection.
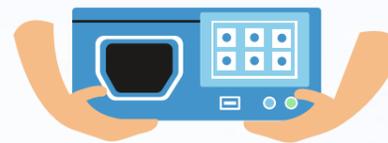
Model: OVP-SEII

Specifications:

MODEL : OVP-SEII

Category	Parameter	Specification
Power Supply	Voltage	100-240 VAC
Size	Voltage fluctuation	Within+10%
	Frequency	50/60 Hz
	Frequency fluctuation	Within+3 Hz
	Consumption electric power	72VA
	Fuse rating	4 A, 250 V
	Fuse size	ø5.0 x 20.0 mm
	Dimensions & Weight	320(W) x 500(L) x 152(H) mm 10.3kg
Classification (medical electrical equipment)	Type of protection against electric shock.	Class 1
	Degree of protection against electric stock of applied part.	Type BF applied part. Where no classifcation mark appears, the device is a TYPE BF applied part.
	Degree of protection against explosion.	The Video Processor should be kept away from fammable gases.
Observation	Video signal output	VBS composite (PAL), Y/C, HDMI, HD-SDI, DVI-D Simultaneous output is possible.
	Video signal input	VBS composite (PAL), HDMI
	White balance	By pressing the white balance switch on the front panel, automatic white balance can be performed.
	Color tone adjustment	The following color tone adjustments may be using the color tone adjustment on the "System Setup" menu * "R" control:±10 steps * "B" control:±10 steps.
	Iris area selection	The area over which light is measured can be changed according the body part that is being observed. The following to choices can be made using the iris mode selector on the front panel. **Average:** Normal observation **Peak :** When focusing on and/or observing a small bright area
	Image Enhancement mode setting	Structure enhancement in the endoscopic images can be enhanced electrically to increase the image sharpness.
	Gamma Correction	Gamma correction adjustments can be performed by adjusting the gamma value.
	Switching the enhancement modes	The enhancement level can be selected from 3 levels enhancement modes (Low, Med. and High) using theimage enhancement mode on the front button panel.
	Freeze screen display	The endoscopic image can be displayed as a frozen image, using the freeze switch key from endoscope.
	Brightness Selector	The brightness can be adjusted using the brightness adjustment on the "system setup/camera adjustment"menu.
	Remote control	The following function can be controlled by the endoscope's remote switches (Freeze, Record, Light, White Balance, mBLU, Enhancement, Contrast, Focus, Iris, Image Size, Remove Data & EXT In)
	mBLU	This mode is used to switch the normal mode to mBLU mode with white or blue light or vice versa.
	External Storage	USB Memory Stick
Documentation	Patient Data	The following data and modes can be displayed on the video monitor using the keyboard-ID number,patient Name, Sex, Age, Date of Birth, Comments.
	Display the record state	Date/time (built in clock)
	Pre-procedural patient data	For a maximum of 40 patients- ID number, patient Name, Sex, Age, Date of Birth
Image Storage & Retrieval	Memorization of selected setting	The following setting on the front panel are stored even when the video processor is turned OFF- System Setup, Setting the image record, Patient Data, Colour Tone, White Balance.
Memory Backup	Lithium Battery	Life : 5 years
Illumination	LED (White)	At Endoscope Tip
Air Feeding Method	Pump	Diaphragm type pump
	Airflow	"Low", "High", "Stop"
	Airflow Pressurization of water container (detachable)	Air pressurization of water container (detachable)

Key Features

HD Imaging

PIP/POP

Simultaneous Video Output

Compact & Light Weight

*Compatible with all 2H Series Endoscopes

VIDEO VETERINARY ENDOSCOPE

Model: OVV-2H+ (L/I/S)
(Compatible Video Processor: OVP-SEII)

Key Features

Fiberless LED-At-Tip

HD Imaging

Single Step, Waterproof Connector
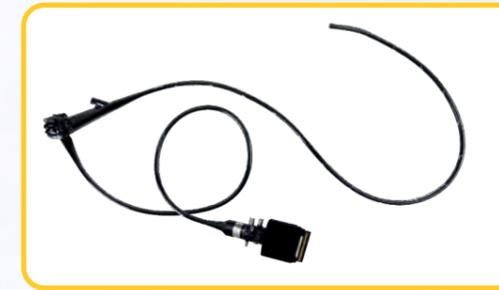
Specifications:

MODEL : OVV-2H+(L/I/S)		
Optical System	Field Of View	140°
	Direction Of View	Forward Viewing
	Depth Of Field	3-100 mm
Insertion Tube	Distal End Outer Diameter	9.8 mm
	Insertion Tube Outer Diameter	9.8 mm
	Distal End Enlarged	Air/Water Nozzle / Up / Illumination LEDs (W) / Left / Right / Objective Lens / Down / Instrument Channel Outlet
Instrument Channel	Working Length	L-3000 mm/ I-1400 mm / S- 1055 mm
	Channel Inner Diameter	2.8 mm
	Minimum Visible Distance	3 mm from the Distal End
	Direction from which endo-therapy accessories enter and exit the endoscopic image.	
Bending Section	Angulation Range	UP 180°
		DOWN 140°
		RIGHT 120°
		LEFT 120°
Total Length		L-3310 mm/ I-1710 mm / S- 1355 mm
Compatible Video Processor		OVP-S3

Full HD Laparoscopy Camera System

EndoPlus HD
ENDOSCOPE

E-KN   WHT BAL   ZOOM

BRIGHTNESS CONTROL

MIN   MAX   MEMORY

MITRA

Ottomed   LED LIGHT SOURCE   MITRA

TMP=021 INT=095%
0000r:s 5076RPM

LIGHT   INTENSITY

Endoplus HD

Full HD Laproscopic Camera System

Clear, Crisp & Brighter Imaging

HD Imaging

CMOS Sensor

Optical Zoom

R

Remote Switch

Single Step, Water Proof Connector

Compact & Light Weight

Model: OLS

Ottomed LED Light Source

High end Light Source providing natural colors of video of an endoscopy camera.

A long life LED lamp

Features

- Long life LED with (5000 Hrs)
- Brightness control level 50% to 100%.
- Variable temperature settings for heating protection or undesired heat generation
- Flicker free steady LED light source.

Specification

- **Ambient Temperature** - 10°c - 40°c
- **Relative Humidity** - 30% - 85%
- **Input Voltage** - 100v - 240v

Endoscopy Ancillaries

Easy to Use...

Select Flow Button
Gas Flow Rate Indicator
Gas Start/Stop Button
CO$_2$ Gas Outlet

Key Features

- Actual Gas Input Pressure Indicator
- Light Weight
- Compact Size
- Universal compatibility
- Single touch flow selection
- Eco-friendly

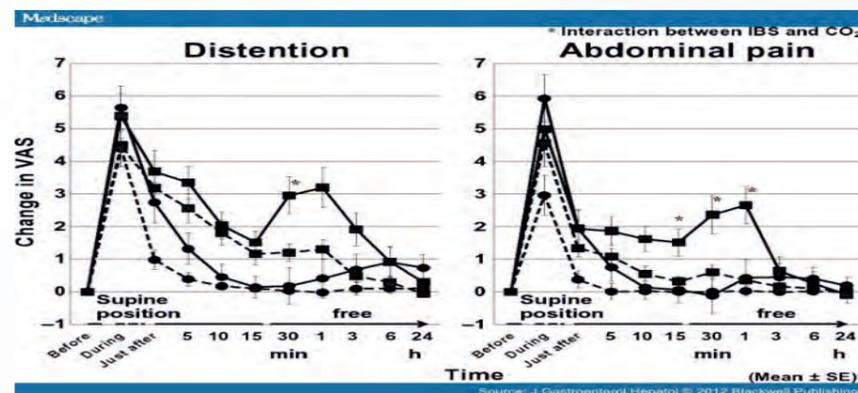**Intelligent CO$_2$ Gas Flow Technology**
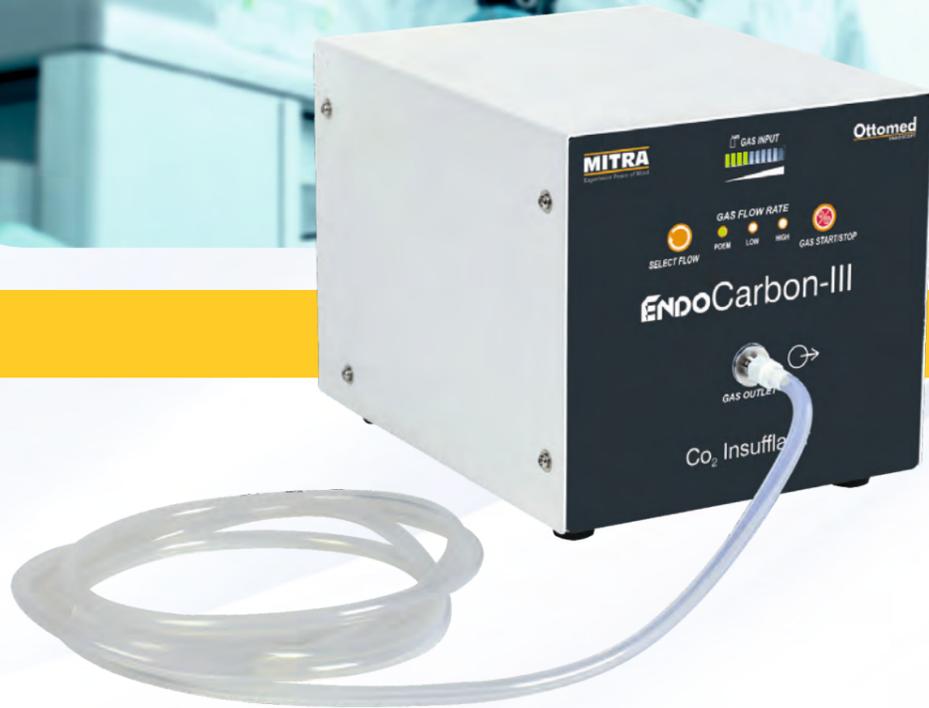
Endocarbon-IIIi

Endoscopy CO$_2$ Insufflator

The Intelligent, Efficient & Compact machine for Patient comfort.

Highly efficient Intelligent gas flow.
Advance micro-controller technology.
Special customized & pre-programmed single touch mode for POEM procedure.

Specifications:

MODEL - m.EC-IIIi		
Operating Environment		
Ambient Temperature		10°c – 40°c
Relative Humidity		30% to 85%
Main Unit Specifications		
Pneumatics		
Gas		CO$_2$ (Medical Grade)
Input Pressure		1 bar - 7 bar
Flow Rate	POEM	1.0 L/min ±10%
	LOW	3 L/min ±10%
	HIGH	4.5 L/min ±10%
Intelligent Flow Control		Applicable
Power Supply		
Input Voltage		100V - 240V
Allowable Voltage Fluctuation		±10%
Power Rating		24VA
Frequency		50Hz / 60Hz
Allowable Frequency Fluctuation		±3 Hz
Dimensions		
Length		220mm
Width		170mm
Height		145mm
Weight		Approx. 2.3 Kg

Easy to Use... →

Select Flow Button
Gas Flow Rate Indicator
Gas Start/Stop Button
CO_2 Gas Outlet

Key Features

- Actual Gas Input Pressure Indicator
- Light Weight
- Compact Size
- Universal compatibility
- Single touch flow selection

Specifications:

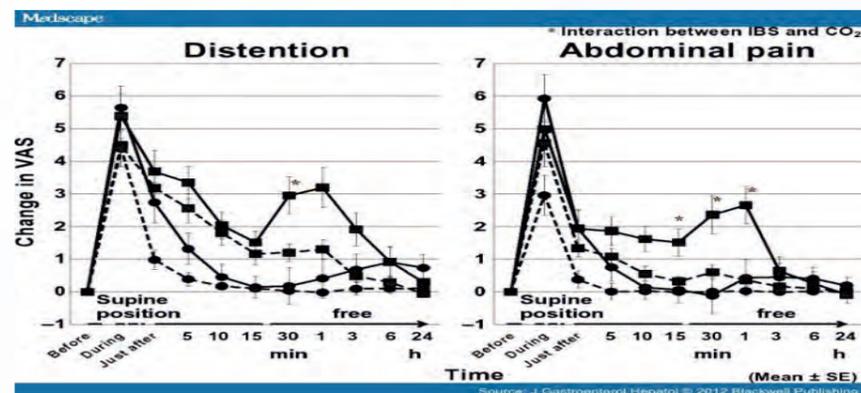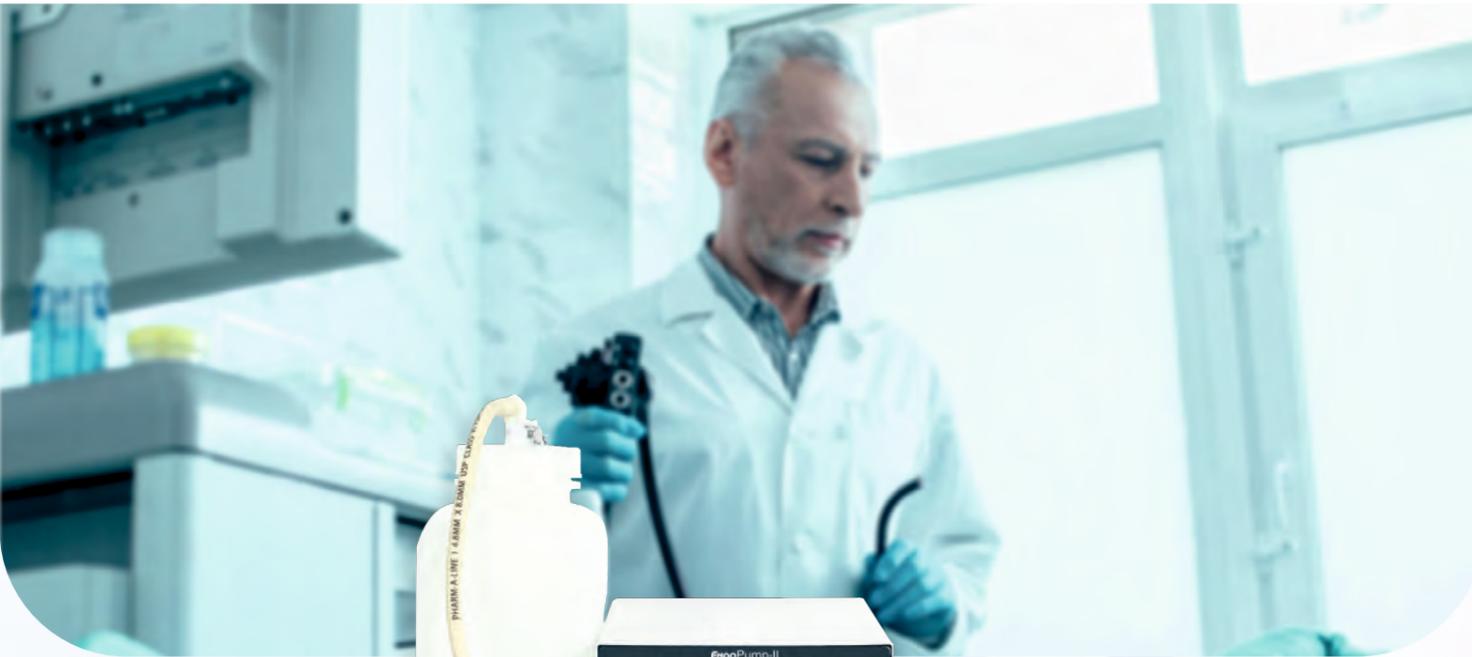| MODEL - m.EC-III		
Operating Environment		
Ambient Temperature	10°c – 40°c	
Relative Humidity	30% to 85%	
Main Unit Specifications		
Pneumatics		
Gas	CO_2 (Medical Grade)	
Input Pressure	1 bar - 7 bar	
Flow Rate	POEM	1.0 L/min ±10%
	LOW	3.5 L/min ±10%
	HIGH	5.0 L/min ±10%
Power Supply		
Input Voltage	100V - 240V	
Allowable Voltage Fluctuation	±10%	
Power Rating	24VA	
Frequency	50Hz / 60Hz	
Allowable Frequency Fluctuation	±3 Hz	
Dimensions		
Length	155 mm	
Width	225 mm	
Height	150 mm	
Weight	Approx. 2.3 Kg	

Endocarbon-III

Endoscopy CO$_2$ Insufflator

Efficient & Compact machine for Patient comfort.

Advance micro-controller technology.
Special customized & pre-programmed single touch mode for POEM procedure.

Endopump-II

Peristaltic Water Irrigation Pump

RECOMMENDED APPLICATIONS

- Auxiliary water jet irrigation for washing colonic mucosa.
- Auxiliary water jet/Biopsy channel irrigation for gastric washing, bleed etc.
- Quick filling for Endoscopic Ultrasound procedure.

Key Features

- Reverse flow technology for precision flow control.
- Universal Compatibility.
- In-built safety alarm.
- Led Indication.
- Noise less operation.
- Easy selection of water flow rate.
- Foot switch control.

Specifications:

MODEL - m.EP-II	
Operating Environment	
Ambient Temperature	10°c – 40°c
Relative Humidity	30% to 85%
Main Unit Specifications	
Power Supply	
Input Voltage	100V - 240V
Allowable Voltage Fluctuation	±10%
Current	0.4A – 0.2A
Frequency	50Hz / 60Hz
Water Flow Range	100ml/min – 900ml/min
Foot Switch Type	Pedal Type
Flow Indicator	LED
Dimensions	
Length	255 mm
Width	265 mm
Height	150 mm
Weight	Approx. 2.7 Kg Without Water Tank

Key Features

Detergent wash to remove sticky residue on Endoscopes

Dual Leakage Testing Port

Always visible disinfection, alcohol, detergent solution level for easy top up!

Instant thermal paper print-outs of endoscope data with re-processing protocol. History can also be printed

NEW

USB PORT

PRINTER

DETERGENT LEVEL INDICATOR

ALCOHOL LEVEL INDICATOR

DISINFECTANT LEVEL INDICATOR

360° Turbo Jet

Alcohol Flush

Qubey-III

Fully Automatic Twin Scope Endowasher System with Alcohol flushing feature.

Minimize your Hygiene & Safety concerns.
Disinfect your scope in the **Qubey-III Endowasher** after every procedure to maximize safety of the Patient, Staff and yourself.
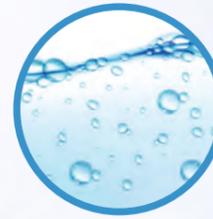
Specifications:

MODEL - OEW-3		
Ambient temperature		10°c – 40°c
Relative Humidity		30% to 85%
Water Supply Requirement	Flow Rate	12L/min – 16L/min
	Pressure	0.2 MPa – 0.5 MPa
Main Unit Specification		
No. of Accommodated Endoscopes		2 nos.
Disinfectant Tank Capacity		25L
Detergent tank capacity		1.75 Litres
Alcohol tank capacity		1.75 Litres
Leakage Testing		Bubble detecting during immersion (Visual)
Operating Modes		
Auto Mode		
Manual Mode	**Operations**	**Time Range**
	Wash Time	1 – 10 min
	Detergent wash time	1 – 99 min
	Disinfectant time	1 – 99 min
	Dry time	1 – 10 min
Alarm		At Low level
		End of process
Display		Touch Screen Panel
Dimension		750 x 690 x 1040 (L x W x H)
Weight		80 Kg Approx
Power Supply		
Input Voltage		220 V
Allowable Voltage Fluctuation		±10%
Input Current		1.5 A
Frequency		50Hz
Allowable Frequency Fluctuation		±3

Qubey-II

Greater Visiblity for improved Diagnosis & Detection

Fully Automatic Twin Scope Endowasher System 360⁰ Auto Disc Rotation Water Jet

Minimize your Hygiene & Safety concerns.
Disinfect your scope in the **Qubey-II Endowasher** after every procedure to maximize safety of the Patient, Staff and yourself.
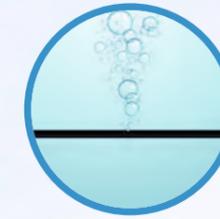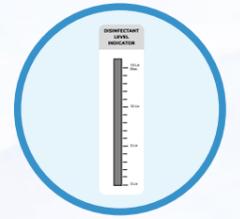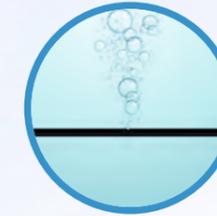
360⁰ Turbo Jet

Key Features

Detergent wash to remove sticky residue on Endoscopes

Dual Leakage Testing Port

Always visible disinfection, detergent solution level for easy top up!

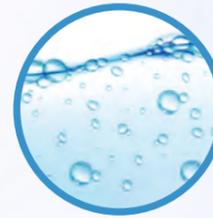**Instant thermal paper print-outs of endoscope data with re-processing protocol. History can also be printed**

Touch Screen Interface Simple menu based feather-touch operation. Spill-proof long life touch screen

Specifications:

MODEL - OEW-2		
Ambient temperature		10°c – 40°c
Relative Humidity		30% to 85%
Water Supply Requirement	Flow Rate	12L/min – 16L/min
	Pressure	0.2 MPa – 0.5 MPa
Main Unit Specification		
No. of Accommodated Endoscopes		2 nos.
Disinfectant Tank Capacity		17L
Detergent Tank Capacity		1.5L
Leakage Testing		Bubble detecting during immersion (Visual)
Operating Modes		
Auto Mode		
Manual Mode	**Operations**	**Time Range**
	Wash Time	1 – 10 min
	Disinfectant time	1 – 99 min
	Dry time	1 – 10 min
	Detergent wash time	1 – 10 min
Alarm		At Low level
		End of process
Display		Touch Screen Panel
Dimension		600 x 600 x 600mm (L x W x H)
Weight		60 Kg Approx
Power Supply		
Input Voltage		220 V
Allowable Voltage Fluctuation		±10%
Input Current		1.5 A
Frequency		50Hz
Allowable Frequency Fluctuation		±3

Key Features

Detergent wash to remove sticky residue on Endoscopes
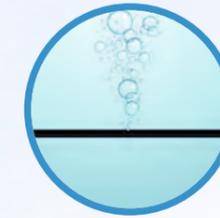
Leakage Testing Port

Always visible disinfection solution level for easy top up!

Instant thermal paper print-outs of endoscope data with re-processing protocol. History can also be printed

Touch Screen Interface Simple menu based feather-touch operation. Spill-proof long life touch screen

Qubey-T

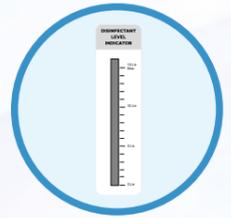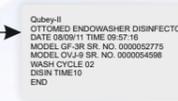*Greater Visiblity for improved Diagnosis & Detection*

Fully Automatic Twin Scope Endowasher System

Minimize your Hygiene & Safety concerns.
Disinfect your scope in the **Qubey-T Endowasher** after every procedure to maximize safety of the Patient, Staff and yourself.

Specifications:

MODEL : Qubey-T		
Ambient temperature		10°c – 40°c
Relative Humidity		30% to 85%
Water Supply Requirement	Flow Rate	12L/min – 16L/min
	Pressure	0.1 MPa – 0.4 MPa
Main Unit Specification		
No. of Accommodated Endoscopes		2 nos.
Disinfectant Tank Capacity		15L
Leakage Testing		Bubble detecting during immersion (Visual)
Operating Modes		
Auto Mode		
Manual Mode	**Operations**	**Time Range**
	Wash Time	1 – 20 Cycles
	Disinfectant time	1 – 99 min
	Dry time	1 – 10 min
Alarm		At Low level
		End of process
Display		Touch Screen Panel
Memory Storage		50 Cycles
Dimension		600 x 600 x 600mm (L x W x H)
Weight		55 Kg Approx
Power Supply		
Input Voltage		220 V
Allowable Voltage Fluctuation		±10%
Input Current		1.5 A
Frequency		50Hz
Allowable Frequency Fluctuation		±3

EndoHanger 2

For Endoscope Storage

Improper storage is the most common reason for endoscope damage. EndoHanger 2 is a safe & secure endoscope storage tool to safely and securely store your endoscopes. Proper storage of endoscopes also plays an important part in endoscope reprocessing to ensure Patient and Technician safety.

Key Features

- **Wall mounted Endoscope Hanger:** Endohanger 2 is designed to be easily mounted on the wall or in the endoscope cabinet.
- **Safer & Secure storage:** Endohanger 2 helps save on costly repair costs and downtime by allowing proper storage of your expensive endoscopes.
- **Material:** Made from long-lasting durable single piece Acrylic which is easy to clean and wipe.
- Universal Compatibility.
- Can be costumed designed for EUS Endoscopes.

EndoHanger

For Endoscope Storage

Improper storage is the most common reason for endoscope damage. EndoHanger 2 is a safe & secure endoscope storage tool to safely and securely store your endoscopes. Proper storage of endoscopes also plays an important part in endoscope reprocessing to ensure Patient and Technician safety.

Key Features

- For easy & safe endoscope hanging.
- Universal compatibility.
- Special grade rust free strong material.
- Smooth surfaces for scratch free hanging of endoscope.
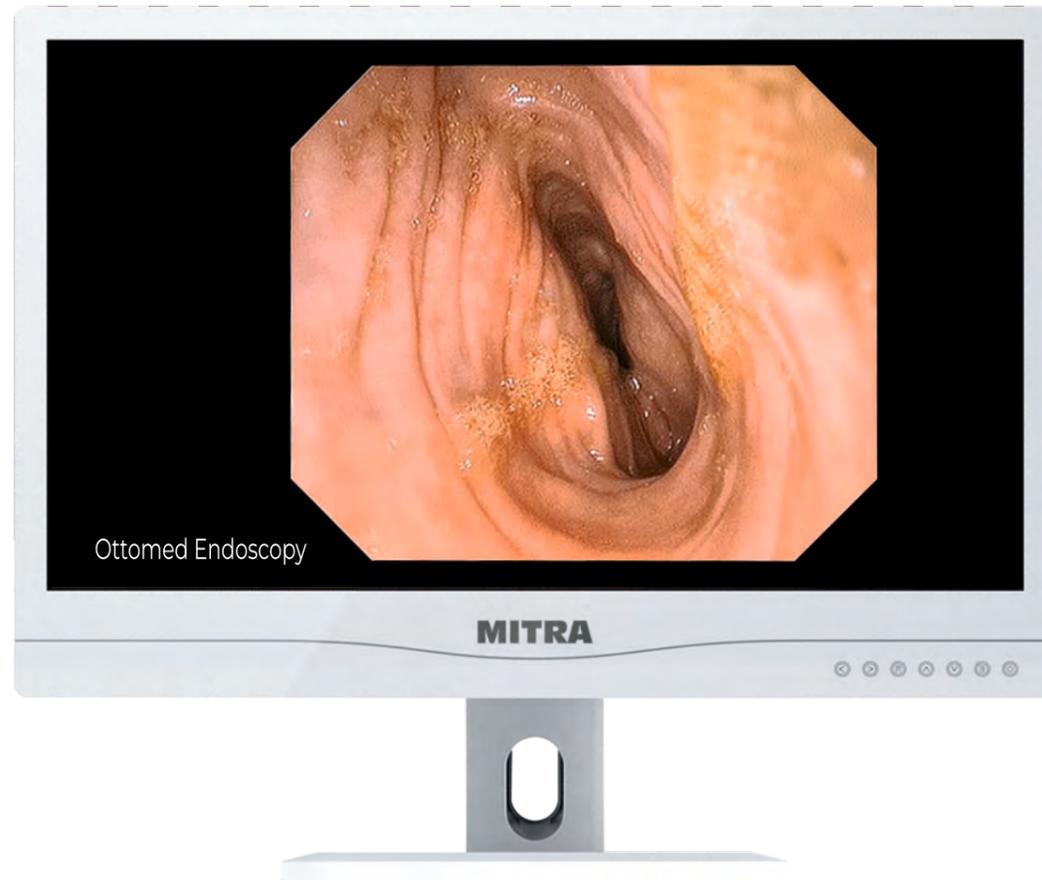
Model: OVM-24HD-A

Full HD Medical Grade Monitor

With precision color reproduction and smooth display for Ottomed Endoscopy Systems

Rear Panel   Side Panel   Bottom Panel

Top Panel

Key Features

1. Accurate Color Rendering
Mitra endoscopic operating room professional displays utilize 12BIT technology, which allows for over 68.7 billion colors to be shown linearly, thus accurately rendering the color of human tissue, enabling endoscopists to make more accurate judgements.
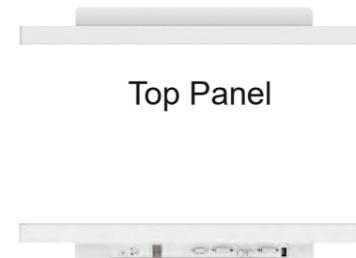
2. Excellent Layering
Mitra endoscopic operating room professional displays use medical LCD panels with the highest definition. The panels possess fine color, high brightness, and high contrast, thus clearly representing each layer of tissue in endoscopy in its proper order, providing clear images for detection and diagnosis.

3. Smooth and Dynamic Images
The response time of endoscopic operating room professional displays is less than 30ms, thus ensuring the smooth display of images from standard definition to high definition, as well as showing indications of hemorrhage and other important indicators during endoscopy, with remarkable clarity and without any ghosting or shaking.

4. Compliance with Operating Room Sterilization and Anti-interference Requirements
Mitra endoscopic operating room professional displays adopt a white, dust-free design, which complies with operating room
sterilization requirements for electronic equipment. The metal-encased design can effectively prevent dust and fluid contamination during surgery. The metal casing body and the built-in shielding circuit can effectively prevent interference to the monitor from electronic surgical equipment ensuring the stability of the display.

5. Multiple Interface Types
Mitra endoscopic operating room professional displays have the compatibility for multiple analog and digital signals, and are perfectly compatible and suitable with and fully meeting the demands of Ottomed Endoscopy systems.

Specifications:

| MODEL : OVM-24HD-A	
Backlight	LED
Size	23.8°
Active Display	527.04 (H) x 296.46 (V) mm
Resolution	1920x1080 (HD1080p)
Pixel Pitch	0.270 (H) x 0.270 (V) mm
Response Time	5ms
Brightness	400cdm²
Contrast Ratio	1000:1
Colour Bit Depth (LUT)	68.7 billion colors (12bit)
View Angel	≥178°
LUT	GAMMA2.0,GAMMA2.2,DICOM
Video Input	DVI-I,VGA,CVBS,S-VIDEO,YPbPr,RGBS,SDI
Video Output	DVI-I,CVBS,S-VIDEO,YPbPr,RGBS,SDI
Optional	SDI
Power Output	DC5V1A (USB-A)
Power Requirements	100~240V, 50/60Hz
Max Power Consumption	96W
Typical Power Consumption	≤ 70W
Cabinet Color	WHITE
Dimensions	565.3x460.3x245mm
Dimensions (Without Stand)	565.3x375.3x65mm
Net Weight	6.5kg
Net Weight (Without Stand)	9kg
Hole Spacing	VESA : 100*100mm
Certifications	CCC,CE
Osd languages	English.

Adjustable Tray

UP

Down
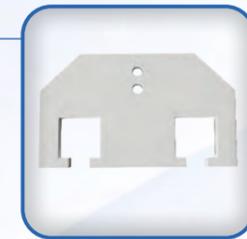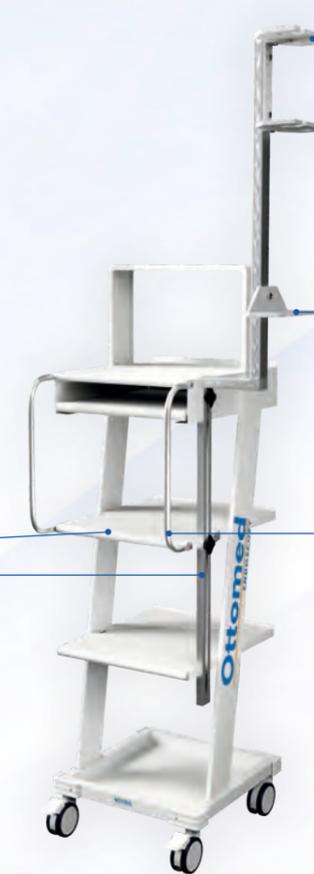
Endoscope Control Body Holding Tray
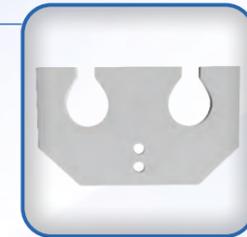
Endoscope Connector Holding Tray

Special handles for Safe and Easy movement

Endoscope Hanging Bar

ENDOTrolley

Mobile trolley for Endoscopy Systems

EndoTrolley is a versatile endoscopy system trolley. The ergonomically designed trolley offers plenty of space for your entire endoscopy suite and makes it easily accessible for a smooth workflow during procedures. The sturdy wheels make it easy to move the trolley when required.

Features

- Ergonomic design.
- Vertically adjustable trays.
- Special handles for safe & easy movement.
- Secure hanger for enodscopes.
- Sturdy frame for Monitor placement.
- Compact & Portable

Specifications:

Dimensions	1430 mm (H) x 510 mm (D) x 440 mm (W)
Weight	40 kg
Maximum Load Capacity	Top tray: 15 kg
	Per shelf: 20 kg
	Base Panel: 30 kg

Construction:

Workstation	Hoop: Mild steel
	Shelves: Mild steel
	Handles: Stainless steel 304
	Side hanging bar: Stainless steel 304
	Endoscope hanger: Acrylic

Castors:

100 mm diameter
2x braked conductive twin-wheeled castors
2x braked twin-wheeled castors

EndoClinic

Advanced Medical Image & Record Management System

Top Features

EndoClinic

Advanced Medical Image & Record Management System

- Gastrointestinal Endoscopy
- Pulmonary Endoscopy
- Urology Endoscopy
- Laryngoscopy
- Laparoscopy
- Hysteroscopy in IVF Centers
- Veterinary Endoscopy

User-friendly

Full HD Image Viewing

Image Capture

View images in large size

Movie recording, editing and merging

Video Capture

Easy patient record search

Secure database

Import/Export Image & Video

Backup patient data in CD/DVD/Pendrive

Create & edit new templates

Patient data summary in excel

ENDOClinic Connectivity

Medical Diagnostic /
Therapeutic Video System

Video Cable

Video Grabber Device

Server

LAN Connectivity

Laptop or Desktop

Prepare & save report

Print report

Email report

Transfer data to CD/DVD/Pendrive

ENDOClinic LAN

Collaborate seamlessly with LAN Connectivity

Generated report

Integrated with HIS

Data Flow

Case done

Endoserver

Endoclient
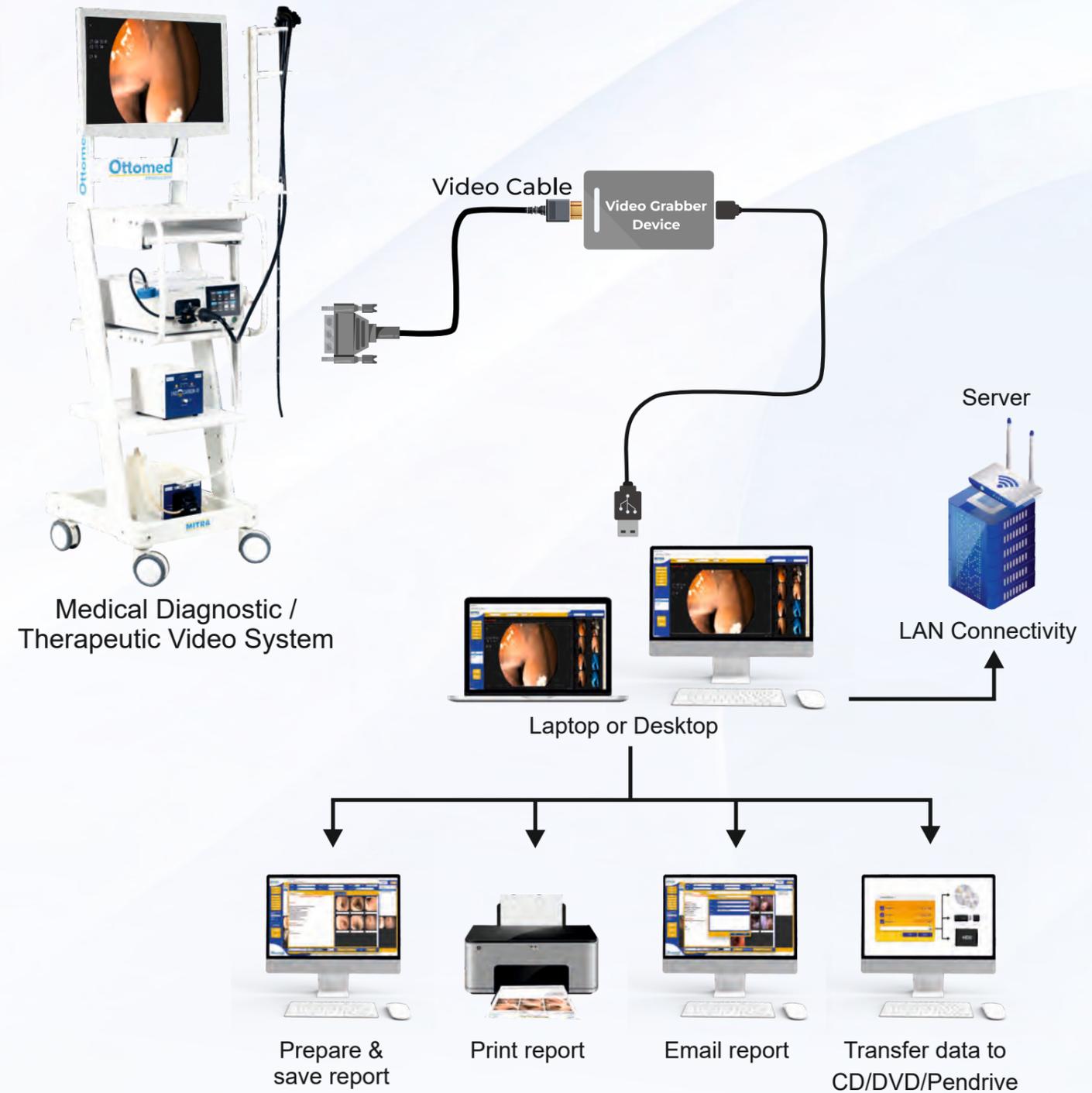
EndoClinic Reports

EndoClinic trusted by doctors for well-formatted customised reports

Sample Reports

GASTRO CLINIC
COLONOSCOPY REPORT

PULMONARY CLINIC
BRONCHOSCOPY REPORT

UROLOGY CLINIC
CYSTO-URETHROSCOPY REPORT

GI CLINIC
ERCP REPORT
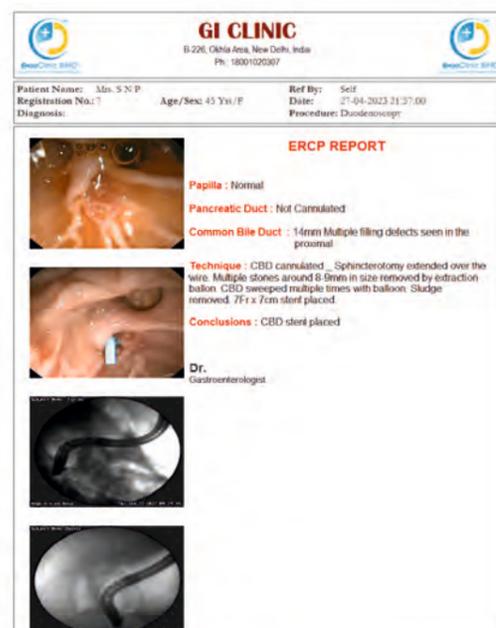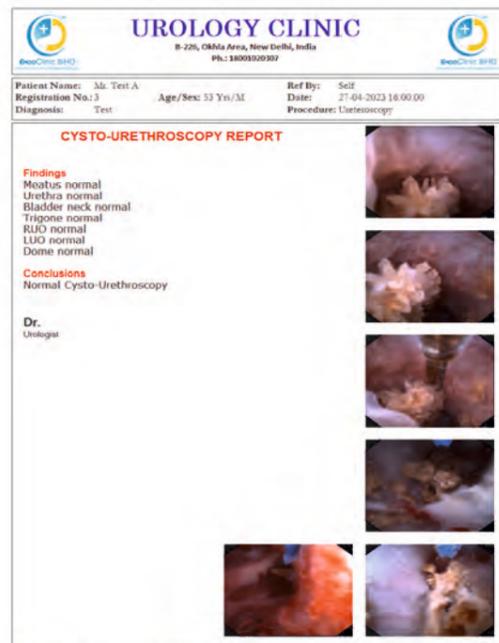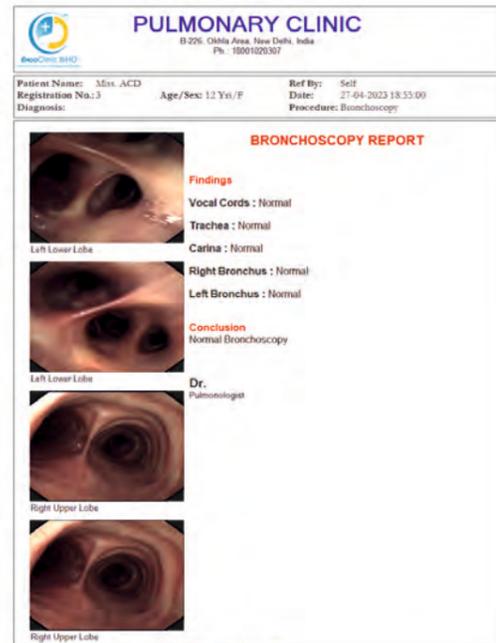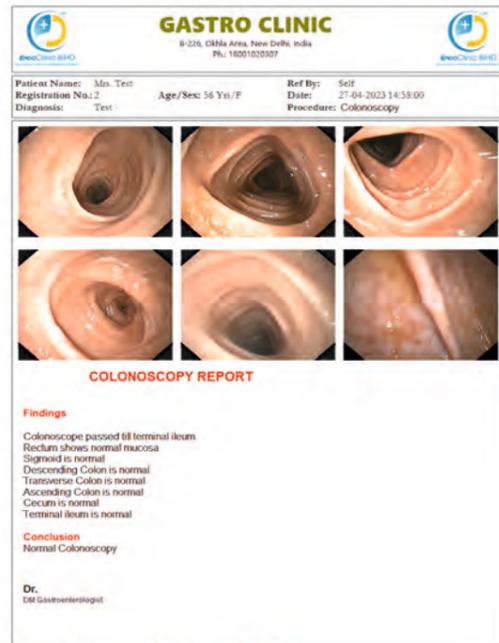
EndoClinic Feature

Increase Productivity with EndoClinic

Features	EndoClinic 8iHD	EndoClinic 7	EndoClinic 8iHD LAN	EndocCinic 7 LAN
LAN Connectivity	✕	✕	✓	✓
Full HD image & video quality	✓	✕	✓	✕
Multi-user environment	✕	✕	✓	✓
Export/Import images & videos	✓	✓	✓	✓
Well-formatted multi-pages report	✓	✓	✓	✓
Patient data summary in excel	✓	✓	✓	✓
Easy patient record search	✓	✓	✓	✓
Secure database	✓	✓	✓	✓
Intelligent image cropping	✓	✕	✓	✕
Image & Video capture resolution	1920/1080p	720/576p	1920/1080p	720/576p
Compatibility	Windows 10 onwards	Windows 10 onwards	Windows 10 onwards	Windows 10 onwards
Required configuration	i5/i7 Processor, 8 GB RAM, 1 TB Hard disk, USB/PCI slot	i3/i5/i7 Processor, 8 GB RAM, 500 GB Hard disk, USB/PCI slot	i5/i7 Processor, 8 GB RAM, 1 TB Hard disk, USB/PCI slot	i3/i5/i7 Processor, 8 GB RAM, 500 GB Hard disk, USB/PCI slot

High Definition

EndoClinic 8iHD

EndoClinic 8iHD LAN

Standard Definition

EndoClinic 7

EndoClinic 7 LAN

SELF-EXPANDING
METALLIC STENTS

Esophageal Stents

Biliary Stents

Pyloric Stents

Tracheobronchial Stents

Pancreatic Stents

Colo-rectal Stents

Urethral Stents

BLOOD BAGS &
BLOOD BANKING EQUIPMENTS

LABSIDE
Filter Bag

Inline
Filter Bag

Triple
Blood Bag

Components Extractor
(mCompo)

Blood Collection
Monitor mini
(m.bcm)

Double Pan
Balance
(m.DP)

PERITONEAL DIALYSIS

APD m.Cycler

Automated Peritoneal Dialysis System

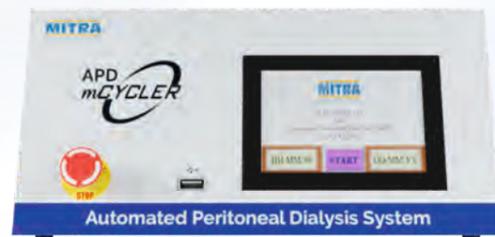**Tri-Choice**

PD Twin Bag

4GYP

Our Product Lines

- Leukofilter Bags
- Blood Bags
- Blood Banking Equipment
- Peritoneal Dialysis Systems
- Non-Cardiac Metallic Stents
- Flexible IV Bags Solutions
- Video Endoscopy Systems
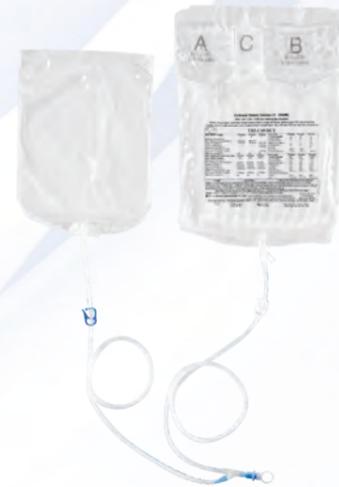- Endoscopy Ancillaries & Accessories
- Endoclinic

www.mitraindustries.com   www.ottomed.com

Certificates

CERTIFICATE OF REGISTRATION

intertek
Total Quality Assured

Certificate Number:
ICMED/0X020
Initial Certification Date:
02 January 2020
Date of Certification Decision:
02 January 2020
Issuing Date:
03 January 2020
Valid Until:
01 January 2023

This is to certify that the management system of:

Mitra Medical Services LLP

Site 1: Plot No. 218, Sector-01, Parwanoo, Distt. Solan - 173220, Himachal Pradesh, India
Site 2: B-226, Okhla Industrial Area, Phase-1, New Delhi - 110020, India

has been registered by Intertek as conforming to the requirements of:

ICMED 13485

Indian Certification for Medical Devices Certification Scheme (ICMED)

The management system is applicable to:

Site 1: Design, Manufacture and Supply of Endoscopy Systems & Accessories
Site 2: Customer Related processes, Servicing and installation of Endoscopy System & Accessories.

Calin Moldovean
President, Business Assurance

Intertek India Private Limited, E-Wing,
2nd Floor, Tex Centre, Chandivali
Farm Road, Andheri (East),
Mumbai - 400 072, India

Management System Certificate

Presafe

Certificate No:
245953-2017-AQ-IND-NA-PS Rev. 1.0
Project No:
PRUC-91645-2008-MSC-IND
Initial Certification Date:
11 March 2019
Valid Until:
11 March 2022

This is to certify that the management system of:

Mitra Industries Pvt. Ltd.
14/4, DELHI-MATHURA ROAD,
121003 Faridabad
India

Complies with the requirements of:

ISO 13485:2016/NS-EN ISO 13485:2016

The Certificate is valid for the following scope:

Design, Manufacture, Sale and Distribution of all Types of Blood Bags, Continuous Ambulatory Peritoneal Dialysis Bags, CAPD Bag Accessories, Non-Cardiac Stents, Sterilized Titanium Adapters, Non-Sterile Blood Bank & Dialysis Equipment's

Place and Date:
Hovik, 11 March 2019

For
DNV GL PRESAFE AS

Eugenie Winger Husebye

Mitra Industries Pvt. Ltd.
14/4, Delhi-Mathura Road, Faridabad,
Haryana-121 003. INDIA
Telephone : +91-129-2271069 / 4099300
Toll Free : 1800 1020730
Email us @ : customersupport@mipl.in
Visit our Website : www.mitraindustries.com

ICMED 13485 CERTIFIED

NABCB QM003

ISO 13485 CERTIFIED

ICMED 13485:2016 CERTIFICATION Intertek

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New Delhi-110 020. INDIA
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