



# SMARTEYE-S3

Multi-featured Video Endoscopy System



Model : OVP-S3



## COMPATIBLE WITH

- Gastroscope
- Colonoscope
- Bronchoscope
- Pleurascope
- Laryngoscope
- Ureterscope
- Cystoscope
- Veterinary Endoscope



Fibreless  
LED-AT-TIP



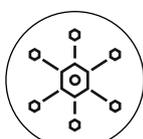
8 in 1 Scope  
Connectivity



Video Recording



Image Capturing



Multiple Video  
Signals



Scope  
Identification



Single Step  
Waterproof  
Connector



Compact &  
Light Weight

## Specifications:

Model	OVP-S3		
<b>Power Supply</b>	Voltage	100-240 VAC	
	Voltage fluctuation	Within $\pm 10\%$	
	Frequency	50/60 Hz	
	Frequency fluctuation	Within $\pm 3$ Hz	
	Consumption electric power	18 VA	
	Fuse rating	3 A, 250 V	
	Fuse size	$\phi 5.0 \times 20.0$ mm	
<b>Size</b>	Dimensions	445 (L) $\times$ 320 (W) $\times$ 152 (H) mm	
	Weight	8.9 Kg Approx	
<b>Classification (medical electrical equipment)</b>	Type of protection against electric shock	Class I	
	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 to be connected to this product is BF type. Note that CF type is not compatible with this product).	
	Degree of protection against explosion	The video processor should be kept away from flammable gases.	
<b>Observation</b>	Analog SD TV signal output	Y/C $\times$ 1, VBS $\times$ 1 simultaneous output is possible.	
	Digital signal output	HDMI $\times$ 2, DVI-D $\times$ 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 done using the color tone adjustment on the "System Setup" menu. * "R" control: $\pm 5$ steps, * "G" control: $\pm 5$ steps, * "B" control: $\pm 5$ steps, * Chroma: $\pm 5$ steps	
	Image settings	Contrast $\pm$ steps, Brightness: $\pm$ steps, Gamma: $\pm 5$ steps	
	Image size option	Small, Medium, Default & Large	
	Light target	ALC: $\pm 5$ 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 levels enhancement modes (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 endoscope'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 an image, the function analyzes previous images & display the sharpest image from the view.	
	<b>Portable Memory</b>	Media	USB mass storage
		<b>Documentation</b>	
	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	
<b>USB Ports</b>	Total 3 nos.	Keyboard & External Storage	
	<b>Recording format</b>		
	Image	PNG	
	Video	AVI	
<b>Memory backup</b>	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	
<b>Illumination</b>	Fibreless LED (White)	At the endoscope's Tip	
<b>Air feeding</b>	Pump	Diaphragm type pump	
	Airflow	3-mode (OFF, Low, High)	
<b>Water feeding</b>	Method	Air pressurization of water container (detachable)	

\*Specifications, Designs and Models are subject to change without any obligation on the part of the manufacturer



Manufactured in India by:

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