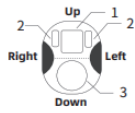
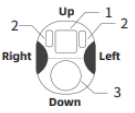
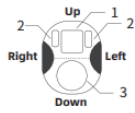








Veterinary
Single-use Flexible
Endoscope

Datasheet

Safety	Standard	CE marking according to REGULATION (EU) 2017/745; Class II a according to Rule 5, Rule 13 in Chapter III of Annex VIII; EN 60601-1:2006; EN 60601-1-2:2015+A1:2021		
	Operating	Temperature: 5°C-40 °C, atmospheric pressure: 700hPa-1060hPa, humidity: ≤93%.		
	Storage	Temperature: 0°C-45 °C, atmospheric pressure: 700hPa-1060hPa, humidity: 30%-95%.		
Veterinary Single-use Flexible Endoscope	Transportation	Temperature: 0°C-45 °C, atmospheric pressure: 700hPa-1060hPa, humidity: 30%-95%.		
	Model	VBR-M40H	VBR-M52H	VBR-M58H
	Item No.	2016B-PA050	2016B-PA049	2016B-PA048
	Type	Flexible	Flexible	Flexible
	Image sensor	CMOS (Complementary Metal Oxide Semiconductor) Chip-on-tip		
	View angle	120°±10°	120°±10°	120°±10°
	Direction of view	0°±10°	0°±10°	0°±10°
	View depth	3-50 mm	3-50 mm	3-50 mm
	Insertion tube diameter	4.0 mm	5.0 mm	6.0 mm
	Maximum size of insertion portion	4.5 mm	5.5 mm	6.2 mm
	Working channel	1.2 mm	2.2 mm	2.8 mm
	Bending angle(up/down)	210°/210°	210°/210°	210°/210°
	Working length	600 mm±10%	600 mm±10%	600 mm±10%
	Total length	860 mm±10%	860 mm±10%	860 mm±10%
	Weight	≤0.28 Kg	≤0.28 Kg	≤0.28 Kg
	Control button	Two Buttons (User definable, image processor allow the functions adjustment including White Balance, Zoom, Taking photo, Video recording, Freezing, Disable)		
	Recommended minimum ETT inner diameter*1	5.0 mm	6.0 mm	7.0 mm
	Minimum DLT size recommended for use*1	37 Fr	41 Fr	/
	Recommended maximum instrument size*2	<1.2 mm	<2.2 mm	<2.8 mm
	Enlarged view of tip 1. CMOS sensor 2. LED light source 3. Instrument channel outlet			
Instrument channel (Direction from which instruments enter and exit the image)				
*1 The inner diameter of double lumen tube can vary depending on the specific brand or model of the tube. There is no guarantee that all the tubes selected can be passed by. *2 Due to the vary instruments in the market, there is also no guarantee that all the recommended sizes of instrument can go pass the working channel.				
Medical Image Processor	Model	MS-8		
	Operating	Temperature: 5°C-40 °C, atmospheric pressure: 800hPa-1060hPa, humidity: 30%-80%.		
	Storage	Temperature: -10°C-45 °C, atmospheric pressure: 800hPa-1060hPa, humidity: 30%-80%.		
	Transportation	Temperature: -20°C-50 °C, atmospheric pressure: 800hPa-1060hPa, humidity: 20%-90%.		
	Physical specification			
	Dimensions	386.4 (h) x 253.6 (w) x 38.5 (d) mm		
	Weight	2.7 kg		
	Display			
	Display size	15.6 inches		
	Display resolution	1920*1080 px		
	Display type	Color TFT LCD with touch screen		
	Display orientation	Support dual-view display, rotation function		
	Function of Setting			
	Scope button configuration	Function of A/B: White Balance, Zoom, Taking photo, Video recording, Freezing, Disable		
	Image adjustment	LED Level/Sharpness/Color Tone/Contrast		
	Language	English, French, German, Spanish, Portuguese, Swedish, Finnish, Norsk, Italian, Russian and Chinese		
	Pre-recording	Control function of Patient Information Management on/off		
	Image border			
	Output interface			
	USB I	Connect to the USB flash drive for data transfer or updating system		
Digital video output	HDMI, DVI and SDI for connectivity to the external monitor			
Output resolution	Full HD 1920*1080 px			
Input interface				
VL-port	For connection with endoscope which configurated with the USB Type-C cable			
Endoscope Port	For connection with endoscope with the edge connector			
DC	Power supply			
USB II	Only for developers debugging the software			
Recording function				
Recording format	JPG for photograph or MP4 for video			
Memory capacity	64 GB including operating system			
Audio recording	No			
Power supply				
Power adapter input	AC 100-240V 50/60Hz, 1.5A Max(Battery charger)			
Battery	Lithium battery rechargeable, DC 7.4V, 9500 mAh			
Battery continuous working time*	Maximum 5 hours when battery under good condition and normal usage			
Mounting interface				
Mounting interface standard	VESA MIS-D 100/75, C compliant displays with mounting interface			
Cleaning and Disinfection				
Recommended cleaning method	It is recommended that wiped by water mixed with detergents or enzymatic solution for cleaning.			
Recommended disinfection method	It is recommended that wiped by 75% medical alcohol.			
*The battery needs to be replaced if working time is less than 30 mins.				