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VISERA ELITE II

VISERA ELITE II

Specifications Guide

15978

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VISERA ELITE II

OTV-S300

Video System Center

Specifications

Power Supply	Rated voltage	110–240 V AC; within ±10%	
	Rated frequency	50/60 Hz; within ±1 Hz	
	Rated input	400 VA	
Size	Dimensions (maximum)	383 (W) × 199 (H) × 506 (D) mm	
	Weight	19.3 kg	
Observation	Analog signal output	VBS composite and Y/C; simultaneous outputs possible.	
	2D digital signal output	3G-SDI (SMPTE424M), HD-SDI (SMPTE292M), DVI (WUXGA,1080 pixels, or SXGA can be selected)	
	3D digital signal output	3G-SDI Level B (SMPTE424M), DVI-D (WUXGA or 1080 pixels can be selected, and SIDE BY SIDE or LINE BY LINE can be selected.)	
	Record output signal	Recording format of the video signal output to the video recorder can be switched.	
		Video signal	Select from “3G-SDI” or “HD-SDI”.
		HD-SDI recording format	Select from “Same as monitor output”, “Always 2D”, and “Always 3D”.
		3G-SDI recording format	Select from “Always 3D” or “Same as monitor output”.
	Electronic zoom	The image enlargement level can be selected.	
		2D	3 modes (1.0×, 1.2×, 1.5×)
		3D	2 modes (1.0×, 1.2×)
	Optical-digital observation	The optical-digital observation can be performed. The endoscope compatible with the optical-digital observation is required.	
		NBI observation	This observation mode uses the narrow-band light.
		IR observation	This observation mode uses the infrared light.
Documentation	Remote control	The following ancillary equipment can be controlled (specified models only). · Portable memory / · Video recorder / · Video printer / · Image filing system	
	Recording format and number of recording images in internal memory	TIFF: no compression	Approx. 120 images
		JPEG (1/5): Approx. 1/5 compression	Approx. 636 images
		JPEG (1/10): Approx. 1/10 compression	Approx. 1108 images
		These are the numbers of the recording images when both HDTV and SDTV images are recorded. These numbers vary depending on the images.	
Illumination	Examination lamp	LED	
	Cooling	Forced-air cooling	
	Observation mode	WLI or NBI observation	
		IR observation (when connecting to CLV-S200-IR)	
Automatic Brightness Adjustment	Automatic brightness adjustment method	LED drive current control	
	Automatic exposure	17 steps	
	Brightness mode	Auto	
		Manual	
Classification (Medical Electrical Equipment)	Type of protection against electric shock	Class I	
	Degree of protection against electric shock of applied part	Depends on applied part. Also refer to applied part (camera head or videoscope).	
	Degree of protection against explosion	The video system center should be kept away from flammable gases.	

Specifications, design, and accessories are subject to change without any notice or obligation on the part of the manufacturer.

OLYMPUS EUROPA SE & CO. KG
Postbox 10 49 08, 20034 Hamburg, Germany
Wendenstrasse 14–18, 20097 Hamburg, Germany
Phone: +49 40 23773-0, Fax: +49 40 233765
www.olympus-europa.com

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VISERA ELITE II

OTV-S200

Video System Center

Specifications

Power Supply	Rated voltage	100–240 V AC; within ±10%	
	Rated frequency	50/60 Hz; within ±1 Hz	
	Rated input	400 VA	
Size	Dimensions (maximum)	383 (W) × 199 (H) × 506 (D) mm	
	Weight	19.3 kg	
Observation	Analog signal output	VBS composite and Y/C; simultaneous outputs possible.	
	Digital signal output	HD-SDI (SMPTE292M), DVI (WUXGA,1080 pixels, or SXGA can be selected)	
	Electronic zoom	The image enlargement level can be selected. 3 modes (1.0×, 1.2×, 1.5×)	
	Optical-digital observation	The optical-digital observation can be performed. The endoscope compatible with the optical-digital observation is required.	
		NBI observation	This observation mode uses the narrow-band light.
		IR observation	This observation mode uses the infrared light.
Documentation	Remote control	The following ancillary equipment can be controlled (specified models only). · Portable memory / · Video recorder / · Video printer / · Image filing system	
	Recording format and number of recording images in internal memory	TIFF: no compression	Approx. 120 images
		JPEG (1/5): Approx. 1/5 compression	Approx. 636 images
		JPEG (1/10): Approx. 1/10 compression	Approx. 1108 images
		These are the numbers of the recording images when both HDTV and SDTV images are recorded. These numbers vary depending on the images.	
Illumination	Examination lamp	LED	
	Cooling	Forced-air cooling	
	Observation mode	WLI or NBI observation	
		IR observation (when connecting to CLV-S200-IR)	
Automatic Brightness Adjustment	Automatic brightness adjustment method	LED drive current control	
	Automatic exposure	17 steps	
	Brightness mode	Auto	
		Manual	
Classification (Medical Electrical Equipment)	Type of protection against electric shock	Class I	
	Degree of protection against electric shock of applied part	Depends on applied part. Also refer to applied part (camera head or videoscope).	
	Degree of protection against explosion	The video system center should be kept away from flammable gases.	

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VISERA ELITE II

CLV-S200-IR

Xenon Light Source

Specifications		
Power Input	Rated voltage	100–240 V AC; within ±10%
	Rated frequency	50/60 Hz; within ±1 Hz
	Rated input	500 VA
Size	Dimensions (maximum)	391 (W) × 162 (H) × 521 (D) mm
	Weight	15.5 kg
Illumination	Examination lamp	Xenon short-arc lamp (ozone-free) 300 W
	Average lamp life	Approximately 500 hours of continuous use (with intermittent use, the lamp life may vary slightly).
	Brightness adjustment	Light-path diaphragm control
	Cooling	Forced-air cooling
	Intensity mode	Normal or high intensity
	Optical-digital observation	NBI observation and IR observation
	Emergency lamp	Halogen lamp (within mirror) 12 V 35 W
	Average emergency lamp life	Approximately 500 hours
Automatic Brightness Adjustment	Automatic brightness adjustment method	Servo-diaphragm method
	Automatic exposure	17 steps
Indicators on Front Panel	Emergency lamp	Indicates absence of emergency lamp, disconnection, and use of emergency lamp.
	NBI	When the NBI observation mode is enabled, the “NBI” indicator lights up.
	IR	When the IR observation mode is enabled, the observation mode indicator lights up.
Setting Memory		Settings (except the observation mode) are stored even when the light source is OFF.
Classification (Electromedical Equipment)	Type of protection against electric shock	Class I
	Degree of protection against electric shock of applied part	Depends on applied part. See also applied part (camera head or videoscope).
	Degree of protection against explosion	The light source should be kept away from flammable gases.

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ENDOEYE 3D 10MM

Video Telescope

Ordering Information

Order Number	Outer Diameter	Direction of View	Field of View	Working Length	Max. Insertion Portion Width	Cable Length
WA50080A	10 mm	0°	67°	330 mm	10.07 mm	2780 mm
WA50082A	10 mm	30°	67°	335 mm	10.20 mm	2780 mm

Specifications

Ambient Conditions	Operating conditions	Ambient temperature	10 to 35°C (50 to 95°F)
		Relative humidity	30 to 85%
	Storage conditions	Temperature	10 to 40°C (50 to 104°F)
		Relative humidity	30 to 75%
	Transport conditions	Temperature	–47 to 70°C (–53 to 158°F)
		Relative humidity	10 to 95%
Classification of ME Equipment and ME Systems	Protection against electric shock: Classification of applied parts		Type BF
	Protection against harmful ingress of water or particulate matter		IPX7

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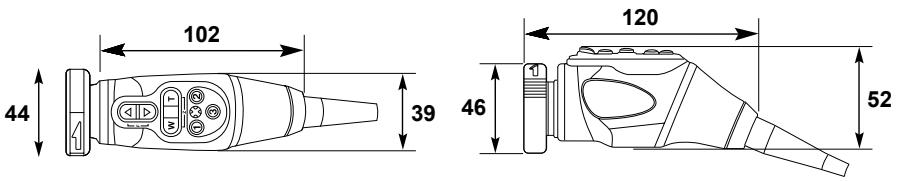
VISERA ELITE II

CH-S200-XZ-EA

Autoclavable Camera Head

Specifications

Size	Camera head dimensions (unit: mm)	
	Camera head weight	280 g
	Cable	ø 6.8 mm × 3.04 m
Observation	Pickup system	CMOS image sensor (3×)
	Magnification ratio	Focal length f = 15.9 to 31.3 mm
NBI Observation Mode*		Available
IR Telescopes Observation Mode*		Available
Electronic Shutter Function*		Available
Electronic Zoom Function*		Available
Cleaning/Disinfection/ Sterilization	Cleaning/disinfection	Immersible in disinfectant solution
	Sterilization	Autoclavable/ETO/Sterrad
Classification (Electromedical Equipment)	Type of protection against electric shock	TYPE BF
	Degree of protection against explosion	The camera head should be kept away from flammable gases

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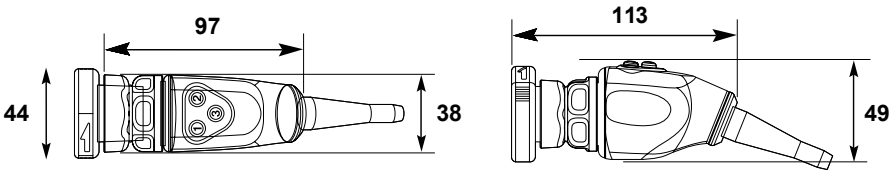
VISERA ELITE II

CH-S200-XZ-EB

Camera Head

Specifications

Size	Camera head dimensions (unit: mm)	
	Camera head weight	220 g
	Cable	ø 6.8 mm × 3 m
Observation	Pickup system	CMOS image sensor × 3
	Magnification ratio	Focal length f = 15.9 to 31.3 mm
NBI Observation Mode*		Available
IR Telescopes Observation Mode*		Available
Electronic Shutter Function*		Available
Electronic Zoom Function*		Available
Cleaning/Disinfection/ Sterilization	Cleaning/disinfection	Immersible in disinfectant solution
	Sterilization	ETO/Sterrad
Classification (Electromedical Equipment)	Type of protection against electric shock	TYPE BF
	Degree of protection against explosion	The camera head should be kept away from flammable gases

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IR TELESCOPES 10MM

Telescope

Ordering Information

Order Number	Outer Diameter	Direction of View	Field of View	Working Length	Max. Insertion Portion Width
WAIR100A	10 mm	0°	88°	316.4 mm	10.2 mm
WAIR130A	10 mm	30°	88°	318.6 mm	10.2 mm

Specifications

Operating Conditions	Ambient temperature	10 to 35°C (50 to 95°F)
	Relative humidity	30 to 85%
	Atmospheric pressure	700 to 1060 hPa
Storage Conditions	Temperature	10 to 40°C (50 to 104°F)
	Relative humidity	30 to 85%
Transport Conditions	Temperature	–40 to 70°C (–40 to 158°F)
	Relative humidity	10 to 95%

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