

VISERA ELITE II VIDEO SYSTEM CENTER  
**OTV-S300**  
All-in-One 2D/3D Processor and Light Source



# OTV-S300

## All-in-One 2D/3D Processor and Light Source

- Capable of both 2D and 3D observation
- Compact system for simplified work flow

## LCD Touch Panel

- Intuitive handling and setup
- Presets allow easy preparation and maintenance

## LED Light Source

- Reduction in running costs thanks to the long lifetime of the LEDs
- Excellent natural color reproduction with the combination of an enhanced imaging process

## Special Light Observation

- NBI and two modes of IR observation

Specifications			
<b>Power Supply</b>	Rated voltage	110–240 V AC; within $\pm 10\%$	
	Rated frequency	50/60 Hz; within $\pm 1$ Hz	
	Rated input	400 VA	
<b>Size</b>	Dimensions (maximum)	383 (W) $\times$ 199 (H) $\times$ 506 (D) mm	
	Weight	19.3 kg	
<b>Observation</b>	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" and "Same as monitor output"
	Electronic zoom	The image enlargement level can be selected	
		2D	3 modes (1.0 $\times$ , 1.2 $\times$ , 1.5 $\times$ )
		3D	2 modes (1.0 $\times$ , 1.2 $\times$ )
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 narrow-band light	
	IR observation	This observation mode uses infrared light	
<b>Documentation</b>	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 recorded 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 recorded images when both HDTV and SDTV images are recorded. These numbers vary depending on the images.		
<b>Illumination</b>	Examination lamp	LED	
	Cooling	Forced-air cooling	
	Providing maximum light intensity	Less than 5.64W (approximately same as Olympus light source that is mounted xenon short-arc lamp 300 W)	
	Observation mode	WLI or NBI observation IR observation (when connected to CLV-S200-IR)	
<b>Automatic Brightness Adjustment</b>	Automatic brightness adjustment method	LED drive current control	
	Automatic exposure	17 steps	
	Brightness mode	Auto Manual	
<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 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.

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