

OTV-S200

# All-in-One Processor and Light Source

VISERA ELITE II Surgical Imaging Platform



# VISERA ELITE II Surgical Imaging System

## 20 Procedure Specific Camera & Video Endoscopes, 9+ Specialties = 1 Simple & Powerful Platform



Customize your imaging needs across specialties including General Surgery, Urology, Gynecology, Otolaryngology and Orthopedic surgery in white light and infrared (IR) observations. This cost effective multi-specialty platform leads to a simplified O.R. workflow from equipment preparation, to maintenance, troubleshooting, and cable management.

The modular design allows you to achieve IR visualization by simply adding a dedicated IR light source and IR UHD telescopes to the platform, utilizing the same CH-S200 series camera heads used across surgical departments.



### CLINICAL BENEFITS

- Promotes accurate diagnosis and precise surgical treatment by achieving reproduction of natural color, fine patterns and structures of tissue via proprietary LED lights (e.g. violet).
- Helps visualize critical anatomy (e.g. biliary tract) with a compatible IR light source, promoting timely surgical decisions.
- Supports critical surgical decision making with NBI<sup>®</sup>, a proprietary optical image enhancement technology that is only available on Olympus products! It generates high contrast of blood vessels on the mucosal surface.



### ECONOMIC BENEFITS

- Reduces initial investment by adopting the integrated processor and light source.
- Improves cost efficiency by adopting a modular designed IR light source when needed.
- Decreases operating costs with the elongated use period of LED lights in the compact system.
- Supports easy, inexpensive upgrades with a simple one-box backward compatibility system.



### USABILITY BENEFITS

- Simplifies workflow in the O.R. with the all-in-one compact system.
- Enables quick & easy operation for user presets with touch-panel screen.
- Accommodates multiple surgeons' preference with up to 20 customizable user settings.

### Specifications

<b>Power Supply</b>	Rated voltage	100–240 V AC; within ±10%	
	Rated frequency	50/60 Hz; within ±1 Hz	
	Rated input	400 VA	
<b>Size</b>	Dimensions (maximum)	383 (W) mm x 199 (H) mm x 506 (D) mm	
	Weight	19.3 kg	
<b>Observation</b>	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)	
	Power zoom	The image enlargement level can be selected. 3 modes (1.0x, 1.2x, 1.5x)	
	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 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)	
<b>Automatic Brightness Adjustment</b>	Observation mode	WLI or NBI observation IR observation (when connected to CLV-S200-IR)	
	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	

<sup>1</sup>NBI is not intended to replace histopathological sampling as a means of diagnosis.

Olympus is a registered trademark of Olympus Corporation, Olympus America Inc., and/or their affiliates. | Medical devices listed may not be available for sale in all countries.

**OLYMPUS**

**OLYMPUS AMERICA INC.**

3500 Corporate Parkway, PO BOX 610, Center Valley, PA 18034

For more information, contact your Olympus sales representative, or call 800-548-5515.  
www.medical.olympusamerica.com

©2020 Olympus America Inc. All rights reserved.  
Printed in USA OAISE0920SS37493