

OLYMPUS®

Your Vision, Our Future

3D VISUALIZATION UNIT

3DV-190

Leading-edge technologies to visualize 3D images



OLYMPUS 3DV-190

Main Features

- The 3DV-190 integrates the left and right images provided by two CV-190 video system centers and outputs the 3D signal to 3D monitors and recorders in an optimal format.

*Two CV-190 units required.

- 3D output (3G-SDI, DVI-D) to multiple monitors is available.
- 2D and 3D observation modes can be switched easily by remote button.
- Several 3D formats (3G, LINE BY LINE, SIDE BY SIDE) are selectable.
- 3D SIDE BY SIDE image can be output to recorders through HD-SDI.
- NBI (Narrow Band Imaging) is easily available during surgery in both 2D and 3D.



Specifications

Power Supply	Voltage	220–240 V AC; within $\pm 10\%$
	Frequency	50/60 Hz; within $\pm 3\%$
	Rated input	100 VA
Size	Dimensions (W x H x D)	370 x 85 x 454 mm; 375 x 91 x 478 mm (maximum)
	Weight	7.7 kg
Classification (medical electrical equipment)	Type of protection against electric shock	Class I
	Degree or protection against explosion	The visualization unit should be kept away from flammable gases.
Observation	Signal format	HDTV signal
	Digital Output Signal	3D output: 3G-SDI (Level B), DVI-D (WUXGA or 1080p can be selected, and SIDE BY SIDE or LINE BY LINE can be selected). 2D output: HD-SDI, DVI-D (WUXGA or 1080p can be selected).
	2D/3D mode	Observation mode can be switched between 3D and 2D mode.
	Recorder Output Signal	Record format, 3G-SDI and HD-SDI can be selected. 3G-SDI: “Same as Monitor Output” and “Always 3D” can be selected. HD-SDI: “Same as Monitor Output”, “Always 3D SIDE BY SIDE” and “Always 2D” can be selected.
	3D/2D display indication	Display mode can be selected between 2D mode and 3D mode. Always: The display mode is always indicated by text on the monitor. 3 sec: When 3D or 2D display mode is switched, the switched mode is indicated by text for 3 seconds on the monitor.
Memorization of Selected Setting Value	The following settings are held in memory even after the visualization unit is turned OFF. • Monitor output signal • Record output signal • 3D/2D display indication	

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