

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. |
| Memorization of Selected Setting Value | 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. |
| | | The following settings are held in memory even after the visualization unit is turned OFF. <ul style="list-style-type: none"> • 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.