

VISERA ELITE III

Technology That Powers Your Vision

The Endoscopic Visualization Platform VISERA ELITE III

List of Functions	Areas of Application
4K	General Surgery
NIR	Thoracic Surgery
4K + NIR (Near Infrared)	Cardiac Surgery
3D	Gynaecology
YE (Yellow Enhancement)	Urology
NBI (Narrow Band Imaging)	ENT



Range of Products in the VISERA ELITE III series

Product code	Term	Features	Image
E0497746	LMD-XH320ST 32" LCD monitor	• 4K resolution • 2D and 3D playback	
E0497747	LMD-XH550ST 55" LCD monitor	• A.I.M.E. (Advanced Image Multiple Enhancer) • 12G-SDI input	
N6158050	OTV-S700 video processor	• 3D and NIR can easily be added via software upgrades • 4K, NIR, NBI, YE • HDR • 12G-SDI output	
N6157950	CLL-S700 LED light source	• Automatic brightness control • HDR support • LED lamp	
N6154750	CH-S700-XZ-EA 4K Camera head	• Continuous Auto Focus (CAF) • Very light (270 g) and ergonomic • Does not heat up	

USPs

LMD-XH320ST/LMD-XH550ST

Monitor 32"/55"

- Compatible with **4K 3D**, 4K 2D, HD 3D, and HD signals.
- **Clone Out output (12G/3G-SDI)** for the image shown on the monitor, regardless of the input signal.
- **180° image rotation**, picture-in-picture (**PiP**), side-by-side/picture-outside-picture (**PoP**).
- **HDR** (High Dynamic Range) support for more realistic images (greater detail in both darker and excessively bright image areas).
- **Local dimming technology** for higher contrast and better brightness.
- **A.I.M.E.** (Advanced Image Multiple Enhancer) for better image quality in dark areas.
- **Ideal for the upgrading of suspended monitors** as a result of their low weight (32": 10.8 kg).

OTV-S700 Video Processor

- **Processor compatible with software upgrades** for future developments. Where **future methods** in the field of **molecular imaging** become available on the market, these will be incorporated via relevant **software updates**, meaning there will be **no need for the processor to be replaced**.
- **High-resolution 4K near infrared imaging** with **white light superposition**.
- **Flexible upgrade process via software upgrades** for the **camera units** (ICG, 3D, PDD) between departments for improved management of your equipment.
- **HDR** (High Dynamic Range) function, an integrated software solution for **automatic contrast enhancement** in **light** and **dark areas**. No manual setting changes or mode changes are required during the procedure in order to enhance the contrast.
- **Three** different **IR modes** can be selected for optimum display of ICG.
- **Additional modes** such as **NBI (Narrow Band Imaging)** and **YE (Yellow Enhancement)** are integrated automatically.

- The **YE mode** enhances the color yellow and can help to highlight structures that are surrounded by fatty tissue, such as nerves, arteries, ureter, and pleura.
- **12G-SDI** connection for excellent image quality.
- **Individual user profiles** can be saved to an external USB stick and restored immediately if required.

CLL-S700 LED Light Source

- Supports white light, **Infrared Imaging (IR)**, **Yellow Enhancement (YE)**, and **Narrow Band Imaging (NBI)**.
- **Automatic** brightness control.
- **HDR (High Dynamic Range)** support.
- Less than 5.64 W LED.
- LED lamp has long lifespan (approx. 10,000 hours).

CH-S700-XZ-EA 4K Camera Head

- The first **camera head** with **Continuous Auto Focus function**.
- Focus using the toggle switch or using the **One-Touch Auto Focus** to activate the Continuous Auto Focus function.
- **Light weight and ergonomic shape make it easier to use**.
- **Sharp 4K image** even with **frequent changes of position**.
- **Three freely** programmable buttons.
- With the **CMOS image sensor** from Sony—optimized imaging chain from the light to the monitor for improved true 4K image quality.
- Extended Depth of Field (**EDOF**) function offers more depth than ever before.
- Clamping connector on the eyepiece.
- Completely autoclavable.

IFUs and CE Just clicking on the image will take you to the relevant document or webpage					
32" and 55" Monitor	OTV-S700	3D and IR Upgrade	CLL-S700	CH-S700-XZ-EA	UHI-5

32"	3D upgrade		
55"	IR upgrade	Reprocessing	

Key Material			
Factsheet	Value Sheet	Quick Reference Guide	Troubleshooting

Marketing Materials					
LMD-XH320ST -XH550ST Flyer	OTV-S700 Flyer	CLL-S700 Flyer	CH-S700-XZ-EA Flyer	VEIII Concept Brochure	VEIII Product Brochure

Further information		
MSD App	VEIII Homepage	Video



As medical knowledge is constantly growing, technical modifications or changes of the product design, product specifications, accessories and service offerings may be required.