VISUALIZATION

NIRA 4K
ICG Camera System

WiSAP®



4K IMAGING +ICG Fluorescence



Visualization platform for MIS

A modular 4K visualization platform combining brilliant visible-light imaging with NIR/ICG fluorescence support for minimally invasive surgery.

System Solutions

- **4K Imaging**
  High-resolution surgical visualization
- **ICG Fluorescence**
  NIR-assisted fluorescence imaging
- **Integrated Workflow**
  Processor, light source and camera head
- **NIR & Visible Light**
  Combined light source concept

WISAP® ARCHITECT OF MODERN VISUALIZATION

VISUALIZATION

NIRA 4K
ICG Camera System

WISAP®

NIRA Camera Processor
Central image processing, recording and user interface.

ICG Light Source
Visible light and NIR/ICG LED illumination with touch-screen control.



Camera head
Autofocus or manual focus configuration.

WISAP® made in Germany

TECHNICAL DATA	NIRA 4K Set
Camera processor	4K camera control unit
Recording	JPG/BMP image; 4K video option
Image functions	White balance, gain, contrast, brightness, hue, chroma
Video output	HDMI / DP / SDI configuration
Interface	USB, footswitch, remote control options
Light source	Visible + fluorescence LED modules
ICG/NIR wavelength	785 nm class
Camera head	Autofocus or manual focus
Protection	Camera head IPX8 class
Sensor concept	4K visible + NIR fluorescence
System use	Laparoscopy / endoscopy

- **Brilliant 4K image**
  Crisp visualization and reliable orientation in MIS procedures.
- **ICG Fluorescence**
  Reliable NIR/ICG imaging for Enhanced tissue Assessement such as perfusion assessment and anatomical orientation.
- **Choice of camera head**
  Autofocus or manual focus to match every procedure.
- **Modular tower concept**
  Flexible interpolation of processor, light source and monitor.

WISAP® PROVEN TECHNOLOGY | EFFICIENT HEALING