



4K VISION PRO ICG CAMERA SYSTEM



4K Imaging



ICG Fluorescence



NIR & Visible light



High-Power LED Source



4K VISION PRO

4K ICG Camera Unit



Multi-Mode Imaging

Gradient Fluorescence

Real-time Autofocus

Integrated Device Control

Technical data

Image Functions	White Balance, Gain, Contrast, Brightness, Hue, Chroma, etc.	Recording	Image: JPG/BMP 3840x2160 Video: 3840x2160, 30fps, or 1920x1080, 60Hz MPEG-4 (H.264 Codec) Interface: USB (Type-A)
Video Output	4K: HDMI 2.0, DP, 12G-SDI or 4 x 3G-SDI HD: 3G-SDI, DVI	Scene file	10 user-configurable files
Video Input	HD: 3G-SDI, DVI	Control Panel	On/Off, menu, white balance, photo, video
Other Interface	Remote IN: Footswitch, RS-232 Remote OUT: CAN Interface: 3 x USB	Degree of protection	CCU: IP21
Work condition	Temperature: 5°C-40°C Humidity: ≤80% (non-condens.) Air pressure: 760 hPa~1060 hPa	Operating temperature	5°C to 40°C
Storage & transportation	Temperature: -20°C-55°C Humidity: 20%- 80% (non-condensation) Air pressure: 700 hPa~1060 hPa	Operating humidity	<90%
		Supply voltage	100-240V ~ 50/60Hz
		Power Consumption	80W or less

4K VISION PRO

4K ICG Camera Unit| System Settings

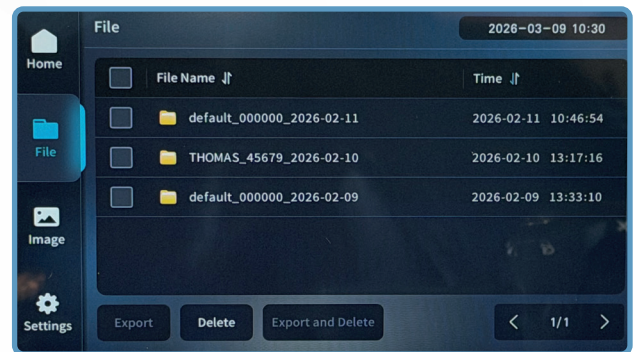


Central User Interface

- Patient Management
- Surgical Application
- Accessories
- Storage Device
- F-Mode (Imaging Modes)
- Capture, Record, AWB (White Balance)

File Manager

- Patient-Based File Management
- Time-Stamped Recording
- One-Touch Export
- Smart File Organization
- Integrated Storage Management

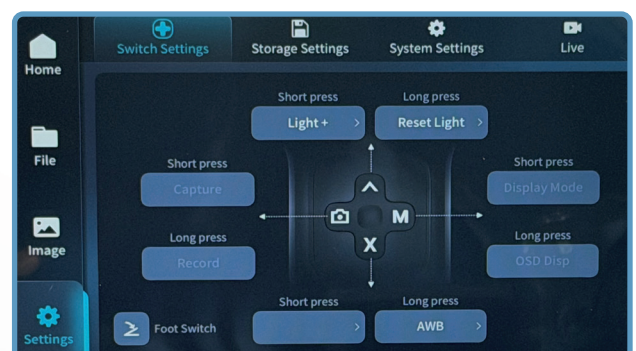


Advanced Image Adjustment

- Real-Time Image Adjustment
- Brightness & Contrast Control
- Sharpness Enhancement
- Color (Chroma) Adjustment
- Noise Reduction (DNR)

Customizable Control System

- Customizable Key Functions
- Dual-Function Button Control
- Programmable Footswitch
- One-Touch Operation
- Workflow Optimization



4K VISION PRO

4K ICG Camera Head

Variable Focal Length

4K Resolution

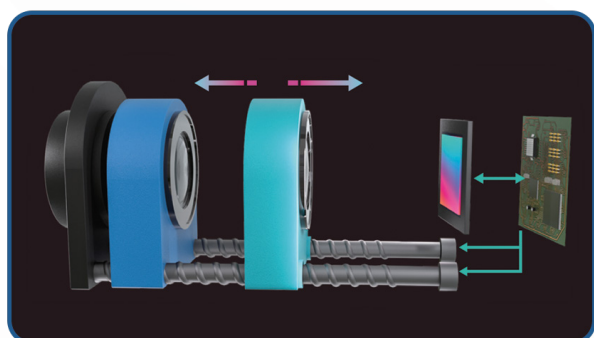
IPX8 Protection

Dual-sensor technology

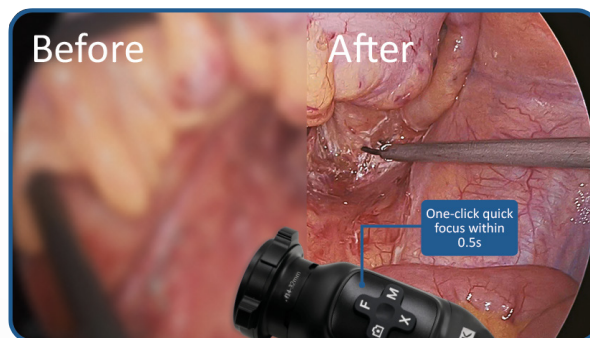


Technical data

Lens Function	Variable focal length with autofocus	TV resolution	>1800 lines
Lens Focal Length	14-32mm	SNR	50dB, Gain: OFF, Gamma: Standard, DNR: High
Dimensions	143x53x52mm	Weight	263g or less (without cable)
Fluorescence Optics	Prisms dual-sensor	Camera cable	2.9m
Sensor Resolution	Visible: 3840 x 2160, 50/60p Infrared: 1920 x 1080, 50/60p	Operating Temperature	5°C to 40°C
Image Sensor	1/2.8" CMOS	Operating Humidity	<90%
Aspect Ratio	16:9	Degree of protection	IPX8
Scanning mode	Progressive		



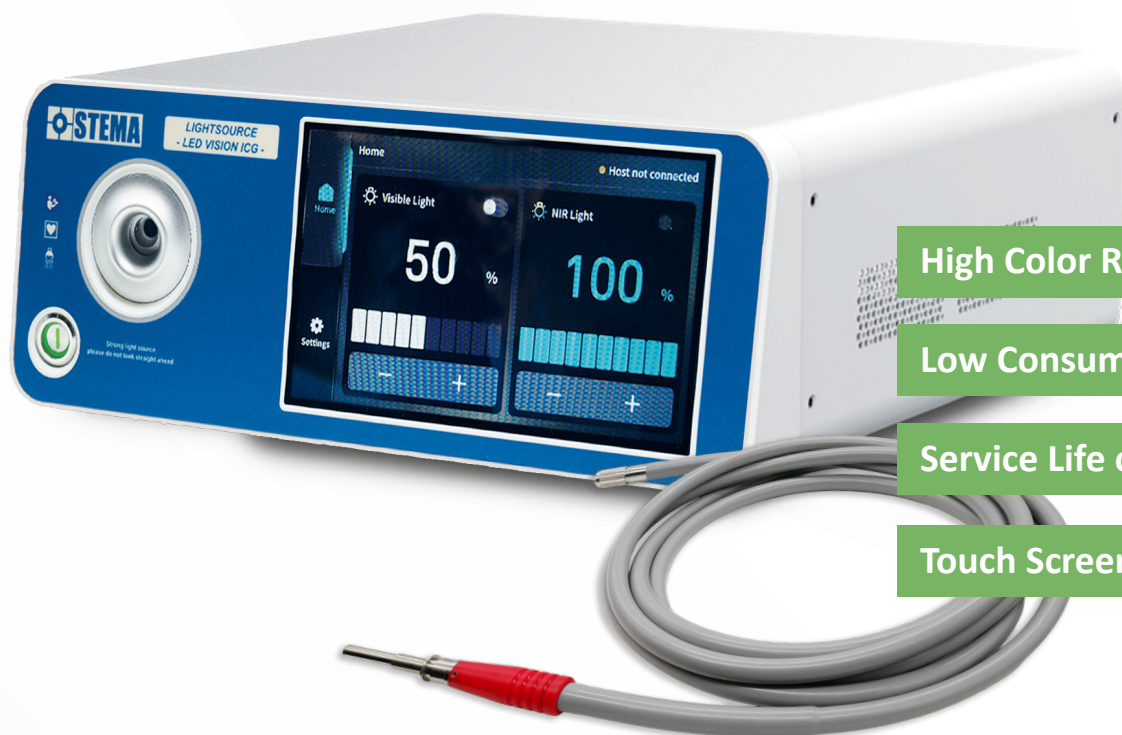
Variable Focal Length



Autofocus

4K VISION PRO

4K ICG Light Source



High Color Rendering

Low Consumption LED

Service Life of 30,000 h

Touch Screen Operation

Technical data

Input Power Supply and Frequency	100-240V ~ 50/60Hz	Visible Light Bulb	LED module
Input Power	160VA	Fluorescence Bulb	LED module
Dimensions	338x345x130mm	Bulb Life	Visible Light Bulb: 30,000 h Fluorescence Light Bulb: 20,000 h
Fuse	T2AL250V	Bulb Power Supply	Visible Light LED: ≤16V Fluorescence Light LED: ≤5V
Rating	IPX0	Bulb Power	Visible Light LED: ≤90W Fluorescence Light LED: ≤50W
Running Mode	Continuous running	Beam Full Divergence	Visible Light: 65±10° Fluorescence Light: 65±10°
Fluorescence Wave	785nm ± 5nm		
Range of Brightness	5% ~ 100%		
Continuous Working	For 10 days		

WE COVER THE FOLLOWING AREAS IN SURGERY WITH HIGH QUALITY PRODUCTS

ARTHROSCOPY

CARDIAC MIS

CONTAINER

ENT

HF-SURGERY

GASTROSCOPY

GYNAECOLOGY

LAMINECTOMY

LAPAROSCOPY

PROCTOSCOPY

SPINE SURGERY

UNITS

UROLOGY



STEMA MEDIZINTECHNIK GMBH | TAKE-OFF GEWERBEPARK 74 | 78579 NEUHAUSEN OB ECK
INFO@STEMA-MEDIZINTECHNIK.DE | WWW.STEMA-MEDIZINTECHNIK.DE | +49 7461 910 55 09

03/26 | PRINTED IN GERMANY | COPYRIGHT BY STEMA MEDIZINTECHNIK GMBH |
WE RESERVE THE RIGHT TO MAKE ALTERATIONS