



ELEVATE YOUR VISION WITH ONE **COMPLETE SOLUTION**

EleVision™ HD 1 system

Value analysis brochure

Medtronic
Further, Together

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VISUALIZE ANATOMY. **SEE THE VALUE.**

Medtronic is committed to helping you optimize patient outcomes and simplifying the purchasing process

A surgeon's ability to see during a procedure is of paramount importance. That's why we're excited to add a complete visualization solution — EleVision™ HD 1 system — to our portfolio of market-leading surgical technologies.

The EleVision™ HD 1 system is an easy-to-use full HD system¹ that offers significant clinical value in laparoscopic procedures, including:

- Optimized visualization of patient anatomy
- Selective color enhancement (SCE) algorithm can improve identification and characterization of critical structures¹
- Smoke reduction algorithm may improve visualization by digitally removing smoke from the image¹

As with all our products, the EleVision™ HD 1 system comes with expert support from our field sales professionals and technical support teams. Because — as your partner in patient care — we're committed to helping you achieve your clinical and economic goals.



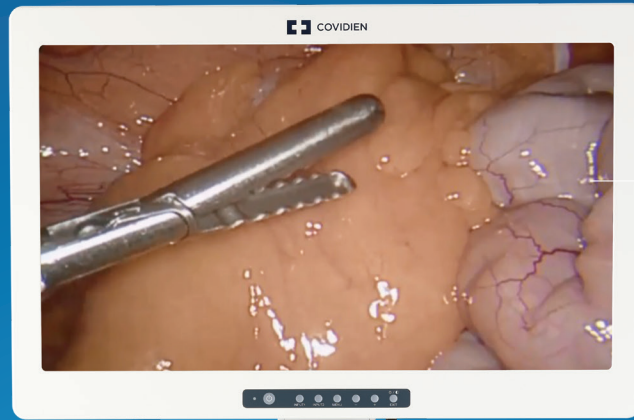
YOUR SINGLE SOURCE FOR SURGERY

Our products are designed to facilitate — and optimize — all aspects of laparoscopic procedures:

- Visualization
- Trocars
- Hand instruments
- Ligation
- Stapling
- Energy
- Smoke evacuation
- Wound closure

ONE SYSTEM. YOUR COMPLETE SOLUTION.

Together, the EleVision™ HD 1 system components enable — and empower surgeons to optimize — minimally invasive surgeries (MIS)



Monitor
Displays 1080p
HD video

50 L insufflator

- Simple-to-use pressure and flow settings²
- Easy-to-read display of actual pressure and flow values²
- Individual programming options²
- Offers gas heating to target a 37 C body temperature³

CMOS technology camera

- Captures native, HD images
- Maintains sharpness
- Provides better resolution⁴
- Enables color enhancement that can improve identification and characterization of critical structures¹

Laparoscopic suction irrigation pump

- Radio Frequency Identification (RFID) control
- 21/m suction irrigation



Laparoscope
Features a laser-welded design that lasts for more than 2,000 autoclave cycles^{5,†}

LED light source

- Features 20,000-hour lifespan⁶
- Delivers 40 times more life than a Xenon™ light bulb⁶

†Based on 10 mm laparoscope autoclave cycle test and validation of laser welding summary. Schoelly internal testing, 4-28-2015.

SYSTEM COMPETITIVE COMPARISON†

COMPANY	MODEL	IMAGE ENHANCEMENT MODE(S)	CMOS/ CCD	LIGHT SOURCE
Medtronic	EleVision™ HD 1 System	Smoke reduction Color enhancement	CMOS	LED
Karl Storz™**	Image 1 S Connect II (CCU) Image 1 H3-Z FI (camera head)	Chroma Clara	CCD	LED
Olympus™**	CV-190 (CCU) CH-S190-XZ-E/Q (camera head)	NBI	CCD	Xenon™**
Stryker™**	1488	Clarity (not included) InfraVision (not included)	CMOS	LED (L9000)
	1288	Clarity (not included) InfraVision (not included)	CCD	Xenon™** (X8000)
	1188	None	CCD	Xenon™** (X8000)
Richard Wolf™**	3-Chip HD camera head Endocam Logic	Color contrast I-III	CCD	LED
	1-Chip HD camera head Endocam Logic	Color contrast I-III	CMOS	LED
ConMed™**	True HD 3CMOS CCU True HD 3CMOS camera head	None	CMOS	LED

INSUFFLATOR COMPETITIVE COMPARISON

COMPANY	MAX GAS FLOW L/MIN	GAS WARMING	FEATURES
Medtronic 50 L Insufflator	50	YES	Pediatric, vessel harvesting, and bariatric modes for precise insufflation
Storz™** Endoflator 50	50	YES	Sensitive mode for sensitive applications (e.g., in pediatric surgery)
Olympus™** UHI-4	45	NO	Automatic smoke evacuation
Richard Wolf™** Highflow 45	45	YES	Four different hardware versions
Stryker™** Pneumasure	45	YES	Real-time pressure sensing
Aesculap™** Flow 40	45	YES	Gas warming

†Based on competitive website Aug 13, 2019 and competitive IFU.

STERILIZATION GUIDE†



PRODUCT	CLEANING/DISINFECTION	STEAM STERILIZATION	PLASMA STERILIZATION
Laparoscopes	Manual Cleaning: Cydezime ENZOL, Manual Disinfection: Cidex OPA, Automated cleaning: Neodisher Mediclean Forte 0.5%	134° C (273.2° F) 5 min	STERRAD™* 50, 1008,200, NX, 100NX
Light guides	Manual Cleaning: Cydezime ENZOL, Manual Disinfection: Cidex OPA, Automated cleaning: Neodisher Mediclean Forte 0.5%	134° C (273.2° F) 5 min	STERRAD™* 100S long cycle STERRAD™* 200 short and long cycle
Camera head	Manual Cleaning: Cydezime ENZOL, Automated cleaning: Neodisher Mediclean Forte 0.5%	N/A	STERRAD™* 100S short cycle
Reusable insufflation tubing‡	Manual cleaning: Neodisher Mediclean 2% or equivalent Automated cleaning: Vario – Miele or equivalent Lysetol 8% or equivalent	132–134° C 5 min	N/A

†Refer to user's guide for complete instructions.

‡Not applicable in the United States.

OUR SERVICE PLAN PROTECTS YOUR INVESTMENT

EleVision™ HD 1 system

Annual Service Warranty

Terms:

- Unlimited repairs (scopes and original spare parts included)
- Unlimited phone support
- Unlimited software support
- Priority shipment of loaner equipment
- Full labor coverage and travel cost coverage
- Annual system check-up

Exclusions:

Damaged components due to misuse do not qualify under this service program



ORDERING INFORMATION

EleVision™ HD 1 System

Light Source

05.0087L

4.8 x 3000 mm light guide for LED light source

05.0090L

4.8 x 2300 mm light guide for LED light source

05.0740LED

LED light source

Laparoscopes

11.0031A

10.0 mm HDSCOPE, 344 mm, 0 degree

11.0041A

10.0 mm HDSCOPE, 344 mm, 45 degrees

11.0043A

10.0 mm HDSCOPE, 344 mm, 30 degrees

11.0055A

5.0 mm HDSCOPE, 312 mm, 0 degree

11.0057A

5.0 mm HDSCOPE, 312 mm, 30 degrees

Camera

95-3901

Native Full HD Camera Head 1 chip CMOS with parfocal zoom, f = 14.25-28 mm, hydrogen peroxide gas plasma sterilization compatible

95-3930

Native Full HD Camera Control unit with Selective Color Enhancement, Smoke Reduction and image capturing

95-3931

Set: Camera Head 1 Chip CMOS with parfocal zoom, f = 14.25-28 mm, hydrogen peroxide gas plasma sterilization compatible + Camera Control unit with Selective Color Enhancement, Smoke Reduction and image capturing

Insufflator

FM134

Multi mode insufflator (maximum 50L/min)

Z0260

Tube set, insufflation with filter and gas heating, disposable, ISO

Laparoscopic Suction Irrigation Pump†

PP120

Laparoscopic suction irrigation pump with RFID

T0502-01

Tube set outflow, disposable (1 box = 10 pcs.)

T0504-01

Tube set, vacuum, disposable (1 box = 10 pcs.)

T0505-01

Tube set for irrigation, disposable (1 box = 10 pcs.)

T0506-01

Tube set for irrigation, reusable, 20 uses



†Not available for sale in the United States and Canada.

REALIZE THE VALUE. FOR PATIENTS AND YOUR HOSPITAL.

Contact your local Medtronic sales representative to learn more about the EleVision™ HD 1 system



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3. Pankalla S. Heating performance test according to a representative surgery scenario. Internal test report #W11. World of Medicine. August 30, 2017.
4. Theuwissen A. Better pictures through physics: the state of the art of CMOS image sensors. Small pixel CIS technology and image quality evaluation method. Image Sensors 2012, London. Eiichi Funatsu, Sony Corp.
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6. Based on internal test report, Summary lifetime of Schoelly LED light source. April 28, 2015.

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[medtronic.com/ElеVisionHD1](https://www.medtronic.com/ElеVisionHD1)

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