To be
visionary
you need
True vision

The EleVision™ HD 2 platform brochure

Our EleVision™ HD 2 platform can help you provide optimized care to your patients with clear vision in your OR. And its modularity simplifies the purchasing process.

The platform is a flexible, versatile tool offering an array of forward-thinking technology – it's the solution you need.

Discover
The Freedom

From access to closure, our portfolio of market-leading technologies allows for the enhancement of laparoscopic procedures for multiple specialties.

There's value in a customizable solution

Our platform allows you to adjust to the present need and create the right solution. That helps ensure clarity and supports your ability to use the comprehensive tool portfolio with:

• Internal video recording
• Advanced imaging modes
• Chip-on-tip and rod-lens camera technologies

The EleVision™ HD 2 platform offers exceptional visualization with:

• Natural colors[1,2,†,‡]
• Real-time digital removal of surgical smoke[3,‡,§]
• Advanced imaging modes that can assist in visualization of critical structures during bowel dissection[1,2,‡,Ω]

Our EleVision™ HD 2 platform empowers you with expert support from knowledgeable sales and technical teams. We remain committed to helping you reach your clinical and economic goals.

†Average scores with 19 surgeons on image color and sharpness were 4.6 and 4.7 out of 5, respectively.
‡Based on preclinical or animal studies. Results may not correlate to performance in humans.
§Compared to a traditional rod-lens laparoscope when used in a laparoscopic cholecystectomy and a laparoscopic TAPP hernia repair.
ΩCompared to an unaltered white light image. 13 out of 19 surgeons surveyed agreed.

Your
Single
Surgical
Solution

Our products can assist you in optimizing all aspects of laparoscopic procedures:

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

Optimized design for an
Enhanced experience

The EleVision™ HD 2 platform has a simplified and streamlined design,[4,†] to enhance your ability to provide an intuitive user experience before, during, and after surgery.

Monitor
Displays 1080p HD video

50 L insufflator
· Easy-to-read display of actual pressure and flow values[5]

· Specialty modes for precise insufflation (standard, bariatric, pediatric, vessel harvesting)

· Offers gas heating to target a 37C body temperature[6]

Laparoscope
Features a laser-welded design that lasts for more than 2,000 autoclave cycles[8]

CMOS technology camera
· Captures native, HD images
· Maintains sharpness[1,2,‡,§]
· Better resolution[7,Ω]
· Advanced imaging mode that could assist in visualization of critical structures during bowel dissection[1,2,‡,§]

LED light source
· Features 30,000 hour lifespan[9]

· Provides 60 times more life than a Xenon™* light bulb[9]

· Delivers best-in-class color performance[9,‡‡,§§,ΩΩ]

Laparoscopic suction irrigation pump[††]
· Radio Frequency Identification (RFID) control
· 2.0 l/m suction irrigation

† 32 out of 32 surgeons and nurses easily completed all pre, intra, and postoperative usability tasks prior to any training.
‡Average scores with 19 surgeons on image color and sharpness were 4.6 and 4.7 out of 5, respectively.
§Based on preclinical or animal studies. Results may not correlate to performance in humans.
ΩRelative to CCD sensors.
††Not available for sale in the United States and Canada.
‡‡Compared to other LED light sources, including the following:
Karl Storz: LED NOVA 150, Power LED 175, Power LED300 SCB;
Stryker: L9000; Richard Wolf: LED1.1-3, LED2.1-2; Lemke/
WOM HD camera with integrated LED; ILO LED 3000; MGB ML�L- ASISTO-L3. Data on file.
§§Color Rendering Index (CRI) measures the ability of the light source to reproduce colors faithfully. LED300 CRI >90.
ΩΩColor Rendering Index (CRI) measures the ability of the light source to reproduce colors faithfully. LED300 CRI >90

Clear And Consistent **Every Time**

Dual chip-on-tip technology

The TipVision™ videoscope gives you innovative technology for consistent visualization.[3,†,‡] It offers clear vision,that's fog-free,[3,†,‡] and focus-free.[§] Big benefits from a small device. Let our TipVision™ videoscope help you reach a higher resolution and contrast[10,§,Ω] in the OR – and enjoy more freedom with less clutter.[††]



Sapphire glass atthe distaltip that's:
· Scratch resistant and durable
· Protective of LED lights for consistent performance overthe product's lifecycle[11,‡‡]

Integrated LED lights that offer:
· Simplified clinical workflow by eliminating external light source
· Consistent brightness overthe product's lifecycle[11,‡‡]

Chip-on-tip technology that's:
· Focus-free[§]
· Broad depth of field ranging from 20 mm–200 mm
· Clear, consistent fog-free image[3,†,‡]
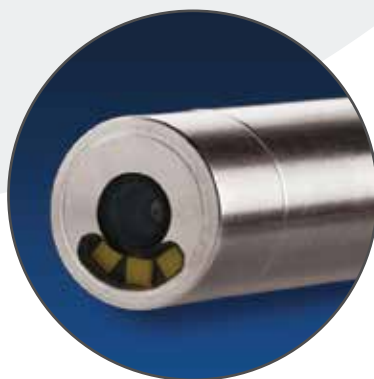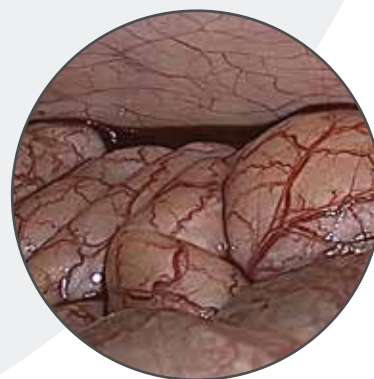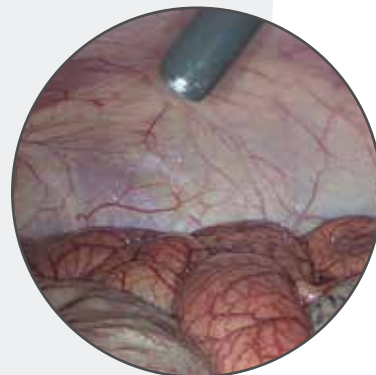
†Compared to a traditional rod-lens laparoscope when used in a laparoscopic cholecystectomy and a laparoscopic TAPP hernia repair.

‡Based on preclinical or animal studies (n=4 cases total). Results may not correlate to performance in humans.

§TipVision™ videoscope has fixed depth-of-field of 20 mm–200 mm with most optimal image between 30 mm and 60 mm.

ΩBased on IMATEST V4.4 test. Both devices in default setting. Olympus EndoEye™* MTF 50 (LP/PH) vertical and horizontal center measured at 200 and 309, respectively. TipVision™ MTF 50 (LP/PH) vertical and horizontal center measured at 382 and 390, respectively. Olympus EndoEye™* MTF 30 (LP/PH) vertical and horizontal center measured at 234 and 367, respectively. TipVision™ MTF 30 (LP/PH) vertical and horizontal center measured at 501 and 433, respectively.

††TipVision™ videoscope has one cable instead of two.

‡‡Compared to traditional rod-lens designs with light fibers and an external light source.
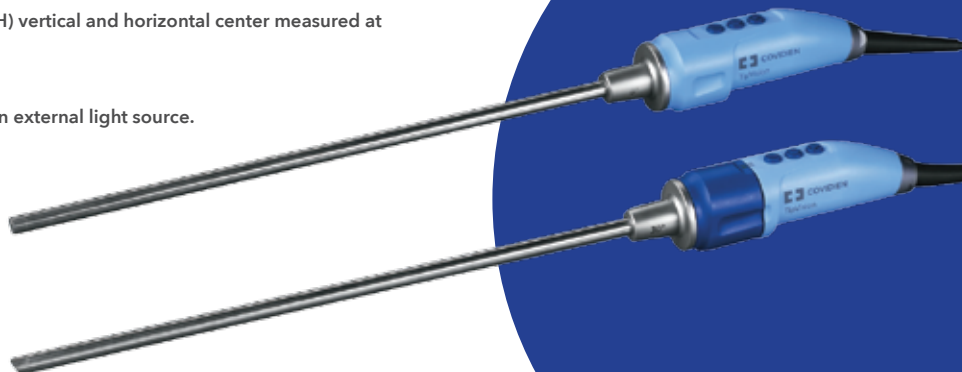
Ordering Information

Camera heads

95–3901	Native Full HD Camera Head 1 chip CMOS with parfocal zoom, f = 14.25-28 mm, hydrogen peroxide gas plasma sterilization compatible
95–3906	EleVision™ HD 2 platform camera head
OM-1002-SY	Camera head sterilization tray (used with 95-3901 and 95-3906)

Camera control unit

ELEVCCU	EleVision™ Camera Control Unit, image capturing, SCE, SR
ELEVCCUVR	EleVision™ Camera Control Unit, image and video recording

Light sources and light guides

05.0740LED	LED Light Source
05-0760LED	LED Light Source (CRI >92)
05.0085L.HT	3.5 x 3000 mm light guide recommended for Xenon™* light sources
05.0087L	4.8 x 3000 mm light guide for LED light source
05.0088L.HT	3.5 x 2300 mm light guide recommended for Xenon™* light sources > 300
05.0090L	4.8 x 2300 mm light guide for LED light source
05.0090L.HT	4.8 x 2300 mm light guide recommended for Xenon™* light sources

Videoscopes

ELEVTV1000	TipVision™ videoscope, 10 mm, 0 degree
ELEVTVTRAY	TipVision™ videoscope sterilization tray
ELEVTV1030	TipVision™ videoscope, 10 mm, 30 degree

Laparoscopes

11.0031A	10.0 mm, HD laparoscope, 344 mm, 0 degrees
11.0041A	10.0 mm, HD laparoscope, 344 mm, 45 degrees
11.0043A	10.0 mm, HD laparoscope, 344 mm, 30 degrees
11.0055A	5.0 mm, HD laparoscope, 312 mm, 0 degrees
11.0057A	5.0 mm, HD laparoscope, 312 mm, 30 degrees

Monitors

MLW-2623C-DC	26″ HD Monitor
HME2C26	26″ HD Monitor†
MLW-3225C	32″ Monitor Ikegami

Insufflator

FM134	Multi-mode insuffator (maximum 50 L/min)
Z0260	Disposable heating insuffation tube with integrated filter (1 box=10 ea)
Z0280†	Reusable gas heating insuffation tubing, 100 uses‡
Z0293	Disposable insuffation tubing with integrated filter (1 box=10 ea)
Z0531-00	Gas bottle switch valve
Z5044-01	Hose for CO_2 gas bottle DIN:US, 1.5 m
Z5045-01	Hose for CO_2 gas bottle ISO:US, 1.5 m
Z0499-01	Hose for CO_2 gas bottle PIN:US, 1.5 m
Z5072-01	Sinter filter for universal gas connection
Z5075-01	DISS adapter for universal gas connection
Z5077-01	CO_2 gas connector, angled
Z5100-01	Hose for CO_2 central gas US:DIN, 3 m
Z5101-01	Hose for CO_2 central gas US:DIN, 5 m
Z5102-01	Hose for CO_2 central gas US:NF, 3 m
Z5103-01	Hose for CO_2 central gas US:NF, 5 m
Z5104-01	Hose for CO_2 central gas US:UNI, 3 m
Z5105-01	Hose for CO_2 central gas US:UNI, 5 m
Z5106-01	Hose for CO_2 central gas US:AGA, 3 m
Z5107-01	Hose for CO_2 central gas US:AGA, 5 m
Z5108-01	Hose for CO_2 central gas DISS:DISS, 3 m

Laparoscopic suction irrigation pump

PP120‡	Laparoscopic suction irrigation pump
T0502-01‡	Tube set outflow, disposable (1 box = 10 pcs.)
T0504-01‡	Tube set, vacuum, single use (1 box = 10 pcs.)
T0505-01‡	Tube set for irrigation, disposable, RFID (1 box = 10 pcs.)
T0506-01‡	Tube set for irrigation, reusable, 20 uses, RFID
Z0554-01‡	Waste container (1 box = 2 pc.)

Carts

KU–5576–902	Equipment cart, one monitor (max 14 kg)
KU–5167–902	Equipment cart for two monitors (fixed arm, max 14 kg. Flexible arm, max 10 kg)
KU–7211–902	Equipment cart for one monitor (max 18 kg)

†Check regional product availability with your sales representative.
‡Not available for sale in the United States and Canada.

The choice is clear.
Learn more at medtronic.com/hd

1. Based on internal test report #RE00176521, EleVision ™ HD 2 platform usability validation lab. February 2019. Data on file.
2. Based on internal test report #RE00176522, EleVision ™ HD 2 platform usability validation lab. February 2019. Data on file.
3. Based on internal report #RE00253641, TipVision ™ videoscope preclinical performance report. March 2020. Data on file.
4. Based on internal test report #RE00246399, EleVision ™ HD 2 platform summative usability validation lab. February 2019. Data on file.
5. Based on internal test report FM134, Rev 0.4 World of Medicine. Schwab. Usability review of FM134. May 2018. Data on file.
6. Pankalla S. Verification report. functional performance verification for the tube set ST 280. Worldof Medicine. July 2017.
7. Weber K. New Trends and Implementations in Imaging Technology for the Future of Live Production. March 2013.
8. Bohusch H, Kubon M. IP clearance statement, chip-in-tip laparoscope, Rev 03. Schoelly. March 2020. Data on file.
9. Based on internal report #VD1091, Rev 03. Scholley. April 2018. Data on file.
10.Based on internal report #VD2143, Rev 00. Scholley. June 2019. Data on file.
11.Based on internal report #VD2124, Rev 00. Scholley. June 2019. Data on file.

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References
† Vs electrical resection & conventional resectoscopy. ¥ Vs legacy TruClear™ hysteroscope
1. Emanuel MH, Womstaker K. A new hysteroscopic operating technique to remove intrauterine polyps and myomas. J Minim Invasive Gynecol. 2005; 12(1):62–66.
2. Smith PP, Middleton LJ, Connor M, Clark TJ. Hysteroscopic morcellation compared with electrical resection of endometrial polyps. Obstet Gynecol. 2014:123(4):745–751. doi: 10.1097/AOG.0000000000000187
3. HysteroLux™ Fluid Management System Instructions for Use. New Haven, CT: Medtronic; 2017.
4. TruClear™ operative hysteroscopes IFU.
5. Hooker A, Aydin H, Brohlmann H, and Huirne J. Long-term complications and reproductive outcome after the management of retained products of conception: a systematic review. Fertil Steril. 2016;105(1):156–164.