VISUALIZE AND ASSESS TISSUE PERFUSION. IN REAL TIME.\textsuperscript{1,2}

EleVision™ IR Platform\textsuperscript{†}

Value analysis brochure

\textsuperscript{†}Includes the VS3 Iridium system with microscope and endoscopes.
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Infrared imaging technology provides adjunctive clinical information that may enhance surgical judgment and lower healthcare costs\(^1,3\).

Join us as we enter a new frontier in medicine — where technology allows you to see beyond the human eye. So you can visualize and measure blood flow within tissue, to support surgical decisions that can optimize outcomes.\(^1,2\)

More information when it matters most for patients
Surgeons no longer have to rely solely on their sight and experience to assess tissue perfusion. The EleVision™ IR platform enables objective perfusion assessments before, during, and after surgery.\(^1\)

One system, many applications
The EleVision™ IR platform includes the only visualization system capable of real-time fluorescence measurements in both open and laparoscopic procedures.\(^2,4\)

IR fluorescence imaging provides adjunctive clinical information that may enhance surgical judgment and lower healthcare costs in various minimally invasive, plastic, reconstructive, and free flaps surgical procedures.\(^4\)

The EleVision™ IR platform includes the only visualization system that integrates a fluorescence imaging system with high-definition visualization.\(^5\) So surgeons don't have to sacrifice image quality or change their technique.

Your partner in patient care
Our clinical and technical experts provide education, training, and support so your team confidently uses the EleVision™ IR platform to optimize outcomes.

Because, like you, we put patients first. And as the world's leading medical technology, services, and solutions company, we're committed to taking healthcare further, together.

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\(^1\) As of April 2019, compared to Stryker Spy™ Elite fluorescence imaging system; Stryker PinPoint™ endoscopic fluorescence imaging; Stryker Spy-Phi™ portable handheld imaging system; Storz NIR/ICG Near™ infrared fluorescence imaging; and Olympus Visera™ Elite.
The EleVision™ IR platform allows surgeons to see critical patient anatomy with high definition imaging — and objectively assess tissue perfusion before, during, and after surgery\textsuperscript{1,2}

**The EleVision™ IR platform:**

- Uses an innovative laser technology in conjunction with indocyanine green (ICG) for high-definition imaging\textsuperscript{1,2}
- Produces simultaneous white light and infrared (IR) fluorescence images — and merges the two in real time\textsuperscript{4}
- Provides real-time qualitative and quantitative measurement of IR intensity\textsuperscript{1,2}
- Creates a uniform edge-to-edge illumination pattern in open procedures, resulting in sharp peripheral image and reliable measurements\textsuperscript{2}

**It works in four steps:**

1. Inject patient with ICG
2. Laser excites ICG bound to blood proteins
3. High-definition camera captures fluorescence images
4. Image supports surgical decision making to optimize outcomes in real time\textsuperscript{1}
ASSESS PERFUSION IN REAL TIME. OBJECTIVELY.1,2

The EleVision™ IR platform is reliable and easy to use in open and MIS procedures³

DESIGNED FOR THE OR
• Control from the sterile field²
• Multiple viewing options on touchscreen monitor²
• Automatic processing based on distance from tissue²
• OR lights can stay on² — allowing continuous visibility of the operative field¹
• Automatic HD video recording¹

COMPACT
• Small footprint makes it easy to move around the OR
• Can be used for both open and laparoscopic procedures (both white light and fluorescence imaging for a complete surgical procedure)²

HIGH QUALITY IMAGES²
• Lightweight open camera for handheld or articulating arm use²
• HD for both fluorescence and visible white light imaging²
• Real-time overlay of IR fluorescence and visible light images²
• Qualitative and quantitative measurement of IR intensity²
• Option to export images to external monitor or hard drive²
HOW CAN SEEING PERFUSION IN REAL TIME IMPROVE SURGERY?
LET’S SEE.

Click here to watch our procedural videos
FOCUSING ON OUTCOMES IN PLASTIC AND RECONSTRUCTIVE PROCEDURES.¹

Use of IR fluorescence imaging in breast reconstruction procedures involving free flaps may provide decisive clinical information through the visual assessment of tissue perfusion³.

1 IN 3 WOMEN WILL EXPERIENCE A COMPLICATION⁶,†

Necrosis of breast tissue, nipple, or transplanted flap — often caused by poor blood perfusion and ischemia — is one of the most common⁷–¹¹.

UP TO 31% INCIDENCE OF SKIN FLAP NECROSIS AFTER MASTECTOMY¹²–¹⁷

50% INCREASE IN COSTS FOR THOSE PATIENTS¹⁸

MASTECTOMY SKIN FLAP VIABILITY¹⁹

10% with 25% or less relative perfusion

98% with 45% or greater relative perfusion

†Complication defined as an adverse, postoperative, surgery-related event that required additional treatment.
OUTPERFORMS THE COMPETITION IN FOUR KEY AREAS†

1. **Higher sensitivity, lower ICG doses**
   An independent evaluation by Dartmouth College found the EleVision™ IR platform was able to detect dye concentrations with at least 100 times more sensitivity than Stryker’s Spy Elite™* system.4,‡

2. **Real-time identification of tissue with questionable perfusion**
   The EleVision™ IR platform allows surgeons to objectively analyze tissue perfusion by taking quantitative measurements in real time.1,2 Stryker’s Spy Elite™* system can perform a similar function only when playing back recorded videos, while the Stryker Pinpoint™* system doesn’t have this functionality.

3. **Sharp focus for both IR and visible light images**
   The EleVision™ laparoscope uses two separate channels for the IR and visible light images — keeping both images in sharp focus.2 The Stryker Pinpoint™* system uses a single channel laparoscope for both visible and IR images, which means it can only sharply focus on one image at a time.

4. **Imaging convenience in open procedures**
   The EleVision™ IR platform’s dynamic focus camera allows for a flexible range of working distances (17 cm to 50 cm), real-time white light and fluorescence image, and playback mode measurements in open surgery mode.2 Stryker’s Spy Elite™* open surgery system requires a fixed imaging distance of 30 cm.

†Comparison of the EleVision™ IR platform to Stryker Spy Elite™* and Stryker Pinpoint™* systems based on published literature, 510(k) submission, and Stryker marketing materials.
‡Bench test results may not necessarily be indicative of clinical performance.
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<th>SERVICE PLAN OPTIONS</th>
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**Tier One**
Annual Service Plan

**Terms:**
- Unlimited repairs (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:**
- Scopes and cables are not included in this program
- Damaged components due to misuse do not qualify under this service program

**Tier Two**
Annual Service Plan

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

**Exclusions:**
- Cables are not included in this program
- Damaged components due to misuse do not qualify under this service program
**EleVision™ IR platform**

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<tr>
<th>CODE</th>
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<td>143-0014</td>
<td>VS3 Iridium Full System 110V (open and MIS)</td>
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<td>ICG Kit (6 pack) and VS3 Drapes (6 pack)^†</td>
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<td>Iridium MMS Drapes (10 each)</td>
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^†Available for sale in the United States.
LET’S FOCUS ON PATIENT OUTCOMES, TOGETHER.

Contact your local Medtronic sales representative for more information about the EleVision™ IR platform.


