1588 AIM platform

Next level visualisation is here
Next level visualisation

Designed to safeguard critical anatomy

Customised surgeon experience

One system, multiple specialties
1588 AIM platform
optimise your OR

3 out of 5
decision-makers look
to improve clinical results when deciding
to purchase¹

See and do more with
1588 AIM Platform

Hospitals are looking for standardised operating rooms
that address clinical needs across multiple specialties.²

Patient Safety in Mind:
The 1588 AIM platform was designed for visualisation of critical anatomy in MIS cases, with unique advanced imaging modalities that allow for visualisation in near infrared, and infrared wavelengths.

Designed to help standardize:
Designed for optimal visualisation across multiple surgical specialties. The 1588 AIM Camera System in designed to give you customised control over surgical devices in the operating room.

Optimal Workflow:
SDC3 technology allows each surgeon to create a customised operating room enviroment, while providing a consistent and efficient experience

Together with our customers, we are driven to make healthcare better.
Rates of anastomotic leak in laparoscopic colorectal surgery range from 2.5-12%.\textsuperscript{3,4} Shortly after the introduction of laparoscopic cholecystectomy, the rate of injury to the common bile duct increased to 0.5%.\textsuperscript{5}

Anastomotic leak is a dreaded complication of a Roux-en-Y gastric bypass. The leak incidence after a laparoscopic Roux-en-Y gastric bypass is up to 4.4%.\textsuperscript{6}

The 1588 AIM platform consists of three imaging modalities in IRIS, ENV and Clarity with 9 dedicated surgical camera specialty settings. The 1588 AIM platform delivers a high definition, standardised solution, designed to improve patient results.

IRIS
- Visualisation technology designed to reduce the risk of ureteral damage
- Activation of IRIS on the L10 light source transilluminates the ureters with an infrared lighted fiber

ENV
- Enhances visualisation of anatomy in real-time during minimally invasive surgery
- Provides an enhanced visual assessment of blood flow, tissue perfusion, and biliary ducts using fluorescent light when ENV mode is activated
- Used with a fluorescent indocyanine green (ICG) dye

Clarity
- Real-time video enhancement device designed to improve visualisation by increasing clarity, contrast, and detail
- Military-grade technology helps surgeons see through smoke and suboptimal conditions with improved image quality of up to 48\%\textsuperscript{7}
Office staff spend valuable time scanning surgical photos into patient charts. The process of managing surgical images can be redundant and expensive for facilities.

Visualisation deep in the posterior compartment is often dark with instrumentation in the foreground, which can make debridement and repair of hip and knee anatomy difficult.

The 1588 AIM platform allows you to see more in orthopaedic surgery. The 1588 AIM camera is designed to enhance visualisation by highlighting the posterior compartment and improving visual acuity.

**See and do more in orthopaedic surgery**

The 1588 AIM platform allows you to see more in orthopaedic surgery. The 1588 AIM camera is designed to enhance visualisation by highlighting the posterior compartment and improving visual acuity.

**1588 AIM platform:**

**DRE**
- Designed to improve visualisation in the surgical field by creating a brighter image in dark and posterior compartments by up to 150%
- Activation of DRE is done with a touch of a button on the 1588 AIM camera head

**Clarity**
- Real-time video enhancement device designed to improve visualisation by increasing clarity, contrast and detail
- Military-grade technology helps surgeons see through suboptimal conditions with improved image quality of up to 48%

**Desaturation**
- Advanced imaging modality within the 1588 AIM camera system that decreases the saturation of colour in the image to the level preferred by the surgeon
Providing visualisation solutions common to ENT and neurosurgical environments

Without lighting the entire scene, the field of vision and depth of focus will be challenged. Moving the endoscope closer to anatomy can create triangulation issues with instrumentation.

Overly-red surgical images cause darkening and red tinting to non-bloody tissue. Removing the intense reds of a surgical image helps surgeons to clearly delineate between inflamed and non-inflamed tissue.

See and do more in ear, nose, throat, & skull

The 1588 AIM platform allows you to see more in ENT surgery. The 1588 AIM camera system is designed to improve visualisation by creating a brighter image deep in the nasal cavity. The AIM platform also includes a “desaturation” mode, which allows for better colour control by decreasing saturation in an image.

1588 AIM platform:

DRE
- Designed to improve visualisation in the surgical field by creating a brighter image in dark and posterior compartments by up to 150%
- Activation of DRE is done with a touch of a button on the 1588 AIM camera head

Desaturation
- Reduces intense reds up to 66% in bloody surgical environments

Clarity
- Real-time video enhancement device designed to improve visualisation by increasing clarity, contrast and detail
- Military-grade technology helps surgeons see through suboptimal conditions with improved image quality of up to 48%
Ureteral injuries have a documented incidence rate of 0.3% to 1.8% in lower pelvic procedures.\textsuperscript{12, 13}

**See and do more in gynecologic surgery**

The 1588 AIM platform allows you to see more in gynecological surgery. The platform is designed to enhance visualisation by illuminating ureters, visualisation of fluorescent blood flow and seeing through visual impediments that typically occur during surgery.

**1588 AIM platform:**

**IRIS**
- Visualisation technology designed to reduce the risk of ureteral damage
- Activation of IRIS on the L10 light source transilluminates the ureters with an infrared-lit fibre

**Clarity**
- Real-time video enhancement device designed to improve visualisation by increasing clarity, contrast, and detail
- Military-grade technology helps surgeons see through suboptimal conditions with improved image quality of up to 48%\textsuperscript{7}

**ENV**
- Enhances visualisation of anatomy in real-time during minimally invasive surgery
- Provides an enhanced visual assessment of blood flow using fluorescent light when ENV mode is activated
- Used with a fluorescent indocyanine green (ICG) dye
See and do more in urology

The 1588 AIM platform allows you to see and do more in urology. The platform is designed to enhance visualisation by seeing through visual impairments typically present during urological surgery, and by highlighting the posterior compartment.

1588 AIM platform:

Clarity
- Real-time video enhancement device designed to improve visualisation by increasing clarity, contrast, and detail
- Military-grade technology helps surgeons see through suboptimal conditions with improved image quality of up to 48%

DRE
- Designed to improve visualisation in the surgical field by creating a brighter image in dark and posterior compartments by up to 150%
- Activation of DRE is done at the touch of a button on the 1588 AIM camera head

Desaturation
- Advanced imaging modality within the 1588 AIM camera system that decreases the saturation of colour in the image to the level preferred by the surgeon
During colonoscopy, up to 20% of polyps may be missed on initial examination, especially flat and small mucosal lesions.\(^\text{15}\)

**See and do more in gastrointestinal surgery**

The 1588 AIM platform allows you to see more in GI surgery. The video enhancement capabilities built into Clarity are designed to allow surgeons to more precisely identify polyps and adenomas during colonoscopies.

**1588 AIM platform:**

**Clarity**

- Real-time video enhancement device designed to improve visualisation by increasing clarity, contrast, and detail
- Military-grade technology helps surgeons see through suboptimal conditions with improved image quality of up to 48%\(^\text{7}\)
- Enhances tissue level detail and possible abnormalities, polyps, and adenomas
- Designed to improve colour to enhance contrast and depth when viewing surgical footage

**Improves image quality by up to 48%\(^\text{7}\)**
Complete control of your operating room with SDC3

**Customised OR experience**

All surgical devices connected to the SDC3 are configured to your preferred settings at the touch of a button.

**Seamless surgical workflow**

With device and voice control, connected surgical devices respond to your immediate needs from the sterile field, giving you complete control.

- Customised annotations for anatomical labelling
- Customised device monitoring overlays
- Toggle through advanced imaging modalities at the touch of a button with device control

**Elevated surgical content**

Enhance the patient experience with HD digital content labelled for better patient understanding with the MySDC3 iPad app.

Securely share surgical images and post operative instructions. Insert surgical images into a customised template containing your postoperative instructions with your facility data.

Streamline postoperative media management by storing images directly to the patient’s chart.
Further enhance your image in 4K

32" 4K Surgical Display

- Optimises the visualisation of the 1588 Advanced Imaging Modalities (AIM): ENV, IRIS, Clarity, DRE & Desaturation
- 4X the resolution of a 1080p image
- 4K pixel density offers a bright colourful viewing experience
- Full integration with SDC3 to control surgeon profiles which include monitor settings and onscreen displays for a consistent, seamless OR experience
- 10.5 kg allows for easy installation

Footnotes:

1. Source: Google and HIMSS Analytics, "Hospital Decision Makers Study," May 2013, n=742Q3 What are the factors that drive your decision to purchase?
7. Data on File: ECO21631
8. Data on File: ECO21929, 158% average luminance increase in test samples. Statistical difference detected between DRE on and off using a 1-sided paired t-test (p=0.049).
9. Data on file, Stryker Endoscopy ECO21929, "DRE AND POSTERIOR LIGHTING MARKETING CLAIMS".
10. Data on file, Stryker Endoscopy TR16427, "CAMERA DESATURATION TEST REPORT".
11. Data on file, Stryker Endoscopy ECO21631, "CLARITY PEAK SIGNAL-TO-NUMBER RATIO VERIFICATION".
16. Over 1080p, based on Advan Spec Sheet. 4K technology has 1,073,824 colors compared to 16,780,000 for HD
A healthcare professional must always rely on his or her own professional clinical judgment when deciding whether to use a particular product when treating a particular patient. Stryker does not dispense medical advice and recommends that healthcare professionals be trained in the use of any particular product before using it in surgery.

The information presented is intended to demonstrate the breadth of Stryker product offerings. A healthcare professional must always refer to the package insert, product label and/or instructions for use before using any Stryker product.

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