Evolution of HD Technology

- Vision Elect™ HD & HDTV Flat Panel Monitors
- 1188 HD 3-Chip® Camera
- X8000 Lightsource
- SDC Ultra Digital Capture
- SIDNE® Suite
**Simplifying Today's OR**

As medical video technology continues to evolve and the visual demands of today’s operating room increase, Stryker has once again responded by raising the bar with the evolution of HD technology – Stryker’s second-generation of high definition (HD) video products.

This new visualization platform features the 1188 HD 3-Chip® Camera, X8000 Lightsource and Vision Elect™ HD and HDTV Flat Panel Monitors. This HD platform coupled with the SDC Ultra Digital Capture, and SIDNE® Device Control Systems, offer hospitals an unparalleled and incredibly innovative video system which delivers exceptional results that will help surgical teams provide the best in patient care.

**Restructuring High Definition**

**Vision Elect™ HD and HDTV Flat Panel Monitors**

Designed specifically for the surgical environment, the Vision Elect™ HD and HDTV Flat Panel Monitors are the ideal complement to the 1188 HD Camera, offering exceptional video quality in a spacious 21-inch and 26-inch display. The Vision Elect™ HD and HDTV combine versatility with a brilliant picture to provide precise, lifelike images in the OR.

**1188 HD 3-Chip® Camera**

The 1188 HD, Stryker’s second-generation high definition 3-Chip® camera, delivers unsurpassed resolution and optical clarity to the OR. The 1188 HD features 1390 x 1024 native output for high definition video, 10-bit digital processing for improved resolution and increased intraoperative brightness. These features merge with direct fiber optical outputs and intuitive user controls, which make the 1188 HD the new standard by which all other medical cameras will be measured.

**X8000 Lightsource**

The X8000 Lightsource represents the next generation of illumination in the OR. An ideal complement to the 1188 HD Camera, the X8000 illuminates the surgical site with a clean, pure light that enables high definition cameras to capture the most subtle contrasts and hues of the human anatomy.

**SIDNE® Suite**

Ideal for the Fast-Track™ environment, SIDNE® Suite specifically provides system integration for device control. This intuitive system makes it possible to utilize device control functionality from a centralized station within the OR.
The Evolution of High Definition Technology

1188 HD 3-Chip® Camera

Stryker pioneered the first high definition digital camera, an advance that revolutionized the minimally invasive surgical market. Now the bar has been raised again with the advent of the 1188 HD Camera, the next evolution of Stryker 3-Chip® HD Cameras. The 1188 HD offers superior picture quality, enhanced clarity, and more intuitive user controls. Surgical teams will experience unprecedented visibility during endoscopic procedures — visibility that can elevate overall surgical and patient outcomes.

Unparalleled Resolution And Clarity for the O.R.

**Features & Benefits:**
- HD and HDTV native outputs
- Progressive Scan Displays
- Lightweight displays for superior flexibility
- New ergonomic interface allows consistent operation under any OR condition
- Digital & analog inputs for seamless integration with any existing system

Vision Elect® HD and HDTV Platform

Today’s imaging technology offers OR personnel unprecedented visibility into the human anatomy and such advances demand high definition monitors with superior output. Stryker now offers complete flexibility by displaying both HD and HDTV formats. This high definition platform continues to deliver unsurpassed resolution, brightness, and optical clarity through one camera system. The 1188 HD camera, flat panel monitors, combined with the SDC ultra high definition capture device, provide cutting edge technology and exceptional results in today’s operating room.

**Features:**
- High Definition video with 1280 x 1024 native output
- Progressive Scan Technology
- 10 bit digital processing for optimal clarity
- Direct fiber optical outputs
- Increased intraoperative brightness for improved resolution
- 9 specialty settings enables surgical standardization
- Seamless integration with existing video equipment

The Clear Choice for HD Visualization

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Intuitive camera control with self illuminating button
Durable aluminum coupler with single-handed focusing design
Ergonomic cable connector for reliable connection

FPO
The X8000 Lightsource complements the Stryker 1188 HD Camera by enhancing its picture with clean, pure light that enables Stryker’s high definition video equipment to capture the most brilliant and detailed visualization in the surgical market today. The X8000 is powered by a 300-watt xenon elliptical bulb and features Align-Lock™ technology with an improved user interface.

**Features:**
- 300-watt xenon elliptical bulb
- Simplified user interface with visible LCD screen
- Pure, clean light for vibrant color reproduction
- Align-Lock™ Technology ensures maximum light output at all times
- Improved single-handed insertion mechanism
- Consistent inaudible operation in both run and standby modes
- Electronic Scope Sensing Technology (ESST) for improved patient safety

The 1188 HD Camera System continues to offer true standardization within the Operating Room.
**Cutting Edge Technology**
for the High Definition Operating Room

**SDC Ultra**
The Final Piece to the Puzzle

**SDC Ultra**
HD Information Management System

Native HD Video Capture
- Record surgical footage in Native HD Resolution
- Perfect for use in teaching, conferences, and presentations
- Unprecedented quality in surgical video

Redesigned Graphic User Interface
- Control the SDC Ultra from the LCD Touch Screen
- Intuitive, easy to use
- Icon Driven user interface

Dual Channel Input Support
- Input/Display two separate video signals
- Capture images and record videos on two separate channels, in synchronized mode, or in PIP format
- On-Screen Picture in Picture to display multiple video signals

SDC Ultra
Dual-Rotation Integrated Touchscreen
- Provide flexibility in O.R. workflow and design
- Dual Rotation Touchscreen for optimal visualization from any angle

Front-Load Patient Scheduling:
- Pre-load patient information for a day’s worth of cases
- Easily select patient by convenient drop down menu in the capture screen
- Reduce time and effort between cases for surgical and nursing staff

Full Network Integration:
- Interface with Hospital PACS and FTP Networks
- Save and Retrieve case information from hospital networks/servers
- Auto-Populate patient information from hospital system for accurate medical records

Easily Customize Annotations, Specialty, & Procedure:
- Annotate images and videos from preloaded list in the album
- Organize annotations and case information by Specialty and Procedure
- Add customized procedures and annotations with one easy step

Archive:
- Archive every case with images and videos to the internal 250 GB Hard Drive
- Review, Reprint, and Resave case information from the archive
- Safeguard your hospital - Don’t lose another important case
**SIDNE® Suite...**

**The Ease of Integration**

**Simple Device Control**

Ideal for the i-Suite™ environment, SIDNE® Suite specifically provides touch panel integration for device control.

- Control from a centralized station within the i-Suite™
- Capable of additional methods of device control through voice activation and wireless tablet upgrades

**SIDNE® Link...**

**The Freedom of Movement**

**Wireless Flexibility**

SIDNE® Link is specifically designed for the unique needs of the cart market.

- Control from the completely wireless tablet’s touch screen interface
- Capable of additional device control through voice activation upgrade

**SIDNE® Voice...**

**The Essence of Control**

**Hands-Free Command of the OR**

Hands free voice activation upgrades are available for both SIDNE® Suite and SIDNE® Link through the advancements in SIDNE® Voice. This modular piece brings flexibility to the OR with superior voice recognition to control surgical equipment from the sterile field.

**Voice Recognition Technology**

Using state-of-the-art voice recognition, SIDNE® eliminates the need for voice cards or voice training. Dual audio inputs allow two surgeons to use voice control simultaneously. In addition, SIDNE’s superior video capability gives surgeons the ability to see text overlays while viewing high resolution video and analog signals.