Evolution of HD Technology

- Vision Elect™ HD Flat Panel Monitor
- 1188 HD 3-Chip® Camera
- X8000 Lightsource
- SDC HD Digital Capture
- Sidne® HD Device Control
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 Flat Panel Monitor. This HD platform, coupled with the SDC HD 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.
The Evolution
of High-Definition Technology

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.

The Clear Choice
for HD Visualization

Vision Elect™ HD Flat Panel Monitor

Today’s imaging technology offers OR personnel unprecedented visibility into the human anatomy, and such advances demand high-definition monitor displays with superior output. Designed exclusively for surgical environments, the Vision Elect™ HD Flat Panel Monitor delivers incredibly lifelike images and remarkable detail combined with superior maneuverability due to its lightweight design.

Features & Benefits:
• 21” high-definition display with unparalleled resolution & clarity
• Lightweight 21” display (16.9lbs) for superior flexibility
• Easily toggle between standard & high-resolution video inputs
• New ergonomic interface allows consistent operation under any OR condition
• Digital & analog inputs for seamless integration with any existing system

Unparalleled Resolution
And Clarity for the O.R.

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1188 HD 3-Chip® Camera

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Unparalleled Resolution
And Clarity for the O.R.

Features:
• High-definition video with 1920 x 1080 native output
• Progressive Scan Technology
• 10-bit digital processing for optimal clarity
• Direct fiber optical outputs
• Increased intraoperative brightness for improved resolution
• 8 specialty settings enables surgical standardization
• Seamless integration with existing video equipment

Intuitive camera control with self-illuminating button
Durable aluminum coupler with single-handed focusing design
Ergonomic cable connector for reliable connection
X8000 Lightsource

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

O.R. Standardization: The 1188 HD Camera System continues to offer true standardization within the Operating Room

1188 HD 3-Chip® Camera Heads
High-Definition Standardization

1188 HD 3-Chip® Camera Head
- Standard cable design for multi-specialty use
- Textured finish for secure handling
- Ergonomic design for minimally invasive surgery
- Camera button offers 6 functions for complete surgeon control

1188 HD Inline 3-Chip® Camera Head
- Parallel cable output ideal for Endoscopic Vein Harvesting
- Cable allows for easier connection to microscope
- Ergonomic design for surgeon preference
- Camera button offers 6 functions for complete surgeon control

1188 HD Urology 3-Chip® Camera Head
- 90° cable design ideal for Urology & ENT cases
- Rotating integrated coupler
- Built-in beam splitter provides direct eye viewing
- Camera button offers 6 functions for surgeon control

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Stryker Digital Capture System

The high-definition Stryker Digital Capture system (SDC HD) is the newest member of our digital capture line. This system is designed to capture and route high-definition images from our 1188 camera while maintaining backwards compatibility by supporting both NTSC and high resolution video. In addition, the SDC HD provides a myriad of other features that allow surgeons to document their cases faster, and on more types of media, than ever before.

The SDC HD provides the ability to:
- Fully integrated with PACS systems
- Capture still images while recording video
- Write MPEG files in a data format
- Dictate separate audio files
- Retrieve patient files from a disc, a USB drive, or the SDC HD itself for reprinting
- Encrypt patient information for confidentiality

Download Images & Video to Media Devices USB 2.0
In addition to DVDs and CDs, the SDC HD can transfer data to a variety of media devices through a high-speed USB 2.0 connection. Many of these USB devices are available through Stryker.

Text input made easy
With the SDC HD, text input is easy. Simply type in the information on the built-in touchscreen, or select a pre-typed entry from a drop-down screen to reduce typing time and increase accuracy.

Label Images & Video
The SDC HD allows the OR staff to quickly and easily label images, video, and prints for patient education or future reference. Images and videos can be archived on the SDC HD and later retrieved by their description.

Edit Elite™
Designed to manage images acquired with the SDC HD, Edit Elite™ software provides a simple interface for editing and organizing videos and photos.

Features & Benefits:
- Label Images & Video: Label images & videos using a variety of editing tools
- Choose text from custom-tailored drop-down screens for speed and accuracy
- Edit Still Images: Digitally adjust stills using image-control functions
- Import images directly into other software applications (such as PowerPoint®)
- Edit MPEG1, MPEG2, & MPEG4 Videos: Edit videos to highlight relevant data
- Drag and drop effects between clips
- Sew multiple clips together to form a seamless video
- Pause video and store still frames as bitmaps

Organize & Search for Files:
- Organize and store video clips and images in selected files
- Sort and search for images by patient name, ID number, procedure, date, etc.
- Automatically decrypt patient information
The Power of Voice...

Sidne® HD Device Control

The Sidne® device control system is designed to provide centralized control over the devices in the operating room. A combination of wireless headset technology and system integration gives the surgeon and staff much needed mobility in the OR.

...the Essence of Control

**Maximum Control**

The flexibility provided by the Sidne® device control system allows the OR staff to choose which option of control is best suited for their individual needs and environments. Sidne® offers three methods of centralized control which include voice recognition, touch panel integration or the tablet PC.

**Freedom of Movement**

Sidne's wireless headset provides a comfortable microphone without tethering the surgeon to the device. AA batteries give the transmitter a six hour life while the battery status is displayed clearly on the transmitter and the receiver. When coupled with the Sidne® phone, this headset allows the surgeon to answer calls and dial other departments in the facility without fear of contaminating the sterile field.

**A True Platform Product**

Additional voice controlled devices and future expansions are facilitated by simply plugging in a USB dongle. Therefore, Sidne® expands as your needs in the operating room grow. Because it is the first FDA approved Bluetooth® ready medical device, it sets a new standard for connectivity.

### Devices controlled by Sidne®

- Endoscopic Camera
- Lightsource
- Digital Capture Device
- Endoscopic Pump
- Speakers
- Telephone
- Printer
- VCR
- In-light Camera*
- Surgical Bed*
- Surgical Lights*
- Electrosurgical Generators*

* Contact your Stryker Endoscopy Representative for Manufacture information & availability

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**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 test overlays while viewing high resolution video and analog signals.

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**Product Ordering Information**

<table>
<thead>
<tr>
<th>Product Description</th>
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<tbody>
<tr>
<td>1144 HD Camera Control Unit</td>
<td>1128-010-000</td>
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<td>1144 HD Camera Head w/24mm Coupler, C-Mount, 45°/ 106° Cable</td>
<td>1128-020-122</td>
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<td>1144 HD Camera Head Only, C-Mount, 45°/ 106° Cable</td>
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<td>1144 HD Ultrasound Camera Head w/Integrated Beam splitter</td>
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<td>1144 HD Camera 24mm Coupler, C-Mount</td>
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<td>SDC HD USB 2.0 Extension Cable</td>
<td>1188 HD Camera 20ft Extension Cable</td>
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<td>M8000 Lightsource</td>
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<td>M8000 M8000 Replacement Bulb, Xenon-300W</td>
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<td>Vision Elect™ HD Monitor</td>
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<td>SDC HD Capture Device w/ Printer**</td>
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<td>SDC HD Multi-card reader w/ media**</td>
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<td>SDC HD USB 2.0 Flash Drive, 512 MB</td>
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**HD Module / Accessories**

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<td>Edit Elect™ Software</td>
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<td>Photo Paper (quantity 50)</td>
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<td>Inkjet Paper (quantity 200)</td>
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<td>Printer Cartridges (1 color, 1 black)</td>
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**Sidne® Device Control**

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<td>Sidne® HD Voice Activation System with Tablet</td>
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<td>Standard Wireless Microphone System</td>
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<td>Leased Wireless Microphone System</td>
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<td>Sidne® Telephone (includes phone line &amp; handset, speaker ordered separately)</td>
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<td>Sidne® Speakers</td>
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<td>Sidne® Tablet Cradle</td>
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**Sidne® Cables**

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<td>Sony UPX3000 MOD MDU-S VCR EDAM</td>
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**Valkyrie ESU Driver**

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