

## Versatile unit provides visualization and documentation of laparoscopy procedures.

It also gives you capacity for arthroscopy and other rigid endoscopy procedures.



Certified Refurbished

The Stryker Laparoscopy Tower is available with:

### **Stryker Endoscopy SDC Pro 2 DVD**

With the SDC Pro 2 DVD, you get sophisticated digital documentation that is easy to use and state of the art. The SDC Pro 2 stores PC-compatible, high quality digital images and videos, and integrates seamlessly into the normal operating room work flow. It features a computer-based unit with a touchscreen, an infrared hand-held remote control and a camera button interface.

### **Stryker Endoscopy 988 3 CHIP Digital Camera**

The standard for capturing crystal clear digital video. Features a range digital and analog outputs.

### **Stryker Endoscopy X-6000 Light Source**

The high performance X-6000 integrates with Stryker Endoscopy medical video cameras and dependably illuminates the surgical site across every endoscopic application. Using proper light cable and adapters, you can connect it to any rigid or flexible endoscope.

Also includes a **Stryker 30L Insufflator**, mobile cart and your choice of a flat screen or tube-based monitor!



# Stryker Laparoscopy Tower

## Visualization and Documentation System

Equipment for the way *you* operate

### Technical Specifications

#### Stryker Endoscopy SDC Pro 2 DVD

System Type	Real time, MPEG 1 or 2 compression engine with full IBP encoding (DVD system only)
Video Inputs	S-Video, Composite, SDI; DVI & XGA (DVD system only)
Video Outputs	S-Video, Composite, SDI; DVI & XGA (DVD system only)
Audio Input	Stereo
Resolution	1024 x 768 or 640 x 480 (with HiRes OFF)
Image Enhancement	Real time adjustment of Hue, Brightness, Contrast, Saturation, and Save as JPEG.
Disc Save Time	Less than 10 minutes for one full disc
Disc Capacity	60 images / Video files, up to a maximum of 1.8GB (CD system) and 4.5GB (DVD system)
File Format	Standard BMP file, ISO standardized MPEG-1 file, MPEG-2, JPEG (non-progressive, 1:1:1 no sub-sampling)
Disc Recording: CD	Multisession ISO9660 with Joliet extensions
DVD+RW	ISO UDF Video for DVD Video
Remote Control	Wireless Infrared, Camera Head Triggering
Power Consumption	45W, 100V - 240V at 2A maximum, leakage less than 300micro Amp
Agency Approval	UL 2601-1, 2nd Edition CAN/CSA C22.2 No.601.1-M90, IEC 601-1-2
Size (control unit)	5.14" H x 16.6" D x 15.9" W
Shipping Weight (full assembly)	37 lbs.
Network	10/100 Mbps ethernet
Auto Printing	1/2/4/6/8/12/18 images per page
Display	8" TFT LCD, with digital touch screen
Type B Equipment	
NTSC/PAL	
Specialties	General Surgery, Orthopedic, GYN, Cardio-thoracic, Urology, ENT, other

#### Stryker Endoscopy 988 3 CHIP Digital Camera

Imaging System	1/3" Interline Transfer, EX view HAD CCD 752 (H) x 582 (V) pixels
Video Outputs	
• Composite	PAL standard 1.0V P-P into 75 Ohms
• Connector	BNC Coaxial
• Component	S-VHS Y-1.0V P-P C-0.29
• Connector	4-Pin VHS
• Component	RGB (or Y, B-Y, R-Y) 1.0V P-P into 75 Ohms
• Connector	8-Pin DIN
• Digital Visual Interface	(DVI) Digital 1024 x 768 XGA resolution, 29-Pin DVI-I
• Serial Digital Interface	Digital SMPTE-259M BNC coaxial XGA analog
Dimensions	
• Camera control Unit	9.8" / 24.8 cm (w) x 4.0" / 10.1 cm (h) x 15" / 38.1 cm (d)
• Camera head to camera control unit	10' / 3 m sealed cable or 21.3' / 6.5 m sealed cable (sensed by CCU)
Enhancement	Switchable to 8 steps
Cable connector	Super lemo gold pin connectors
Resolution	950 lines
Signal to noise ration	72 dB
Mounting	C-mount/standard
Minimum illumination	< 1.0 Lux
Auto Shutter Range	1/50 - 1/50000
Gain	4 levels / 0 - 15 dB

Power consumption	Approx. 30 W
Input voltage range	230 +/- 10 VAC 50/60 Hz
Total shipping weight	13 lbs. (5.9 kg)

#### Stryker Endoscopy X6000 Light Source

Electrical	
• Primary	100 - 240VAC 50/60 Hz 450W
• Fuse	8.0A 250V
Fiber Optic Cable Range	2 mm to 11.5 mm outside diameter continuously adjustable
Dimensions	38.1 cm (w) x 41.4 cm (d) x 14 cm (h) 15.0 in. (w) x 16.3 in. (d) x 5.5 in. (h)
Weight	10.9 Kg
Lamp	300 Watt Xenon Cermox
Lamp Life	Approximately 500 hours
Thermal Limit	85°C/185°F
Operating Conditions	5 to 40°C 10% to 85% Relative Humidity
Transportation & Storage	5 to 40°C 10% to 85% Relative Humidity 700hPa to 1060hPa
Classifications & Approvals	Complies with IEC 601-1 with Amendments 1 & 2, CSA Std. C22.2 No. 601.1-M90, and UL2601-1. Complies with EN 60601-1-2: 1993 (EMC Compliance of Medical Devices) Class 1 Equipment Type CF applied parts
Patent Protection	U.S. #5,850,496 and 6,110,107. Other patents pending

#### Stryker 30L Insufflator

Power Supply	100 V~ / 110 V~ Mains fuse T 3.15 A USA 3.5 A (slow blow), UL listed Mains fuse T 1.6 A Connection for potential equalization
Frequency	50 - 60 Hz
Power Consumption	85 W
Max. Current	100 V: 710 mA 110 V: 620 mA 240 V: 310 mA
Protection Class	Class I, Type BF
Dimensions	360 mm (w) x 150 mm (h) x 300 mm (d)
Weight	Approx. 12.5 kkg (without glass cylinder)
Insufflation Medium	Medical CO <sub>2</sub>
Maximum Output Pressure	55 mm Hg
Maximum Gas Supply Pressure	80 bar / 1160 PSI
Minimum Gas Supply Pressure	5 bar / 73 PSI (CO <sub>2</sub> gas cylinder) 5 bar / 73 PSI (CO <sub>2</sub> house-controlled gas supply by using the central gas supply connection)
Measurement Range of Gas Supply	0 - 50 bar / 0-725 PSI
Gas Flow Range	0 - 30 l / min
Pressure Range	1 - 30 mm Hg
Accuracy of Pressure Measurement	±5%
Accuracy of Gas Flow Measurement	±5%
Accuracy of Volume Measurement	±10%
Accuracy of Gas Supply Measurement	±10%
Connections (optional)	RS232-serial port S-VHS IN/OUT Video IN/OUT
Operation Directions	10 - 40° C / 50 - 104° F / 30 - 75% rel. air humidity
Storage/Transportation Directions	-40 to +70° C / -40 to +159° F 10 - 100% rel. air humidity
Manufactured and Tested Acc. To	EN 60601-1 / IEC 601-1
EMC	EN 60601-1-2 / IEC 601-1-2