

The Evolution of HD Technology

- 1188 HD 3-Chip™ Camera
- X8000 Lightsource



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 high picture quality, enhanced clarity, and more intuitive user controls. Surgical teams will experience increased visibility during endoscopic procedures — visibility that can elevate overall surgical and patient outcomes.



Unparalleled Resolution

And Clarity for the O.R.



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 Intra Operative Brightness for improved resolution
- 9 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

1188 HD 3-Chip™ Camera Heads

High-Definition Standardisation

1188 HD 3-Chip™ Camera Head

- Standard cable design for multi-specialty use
- Textured finish for secure handling
- Ergonomic, lightweight design for minimally invasive surgery
- Camera button offers 6 functions for improved 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 improved 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 4 functions for surgeon control



Ordering

Information

1188 HD Camera Control Unit

Part Number: **1188-010-000E**



1188 HD Camera Head Only, C-Mount 0°/ 10ft Cable

Part Number: **1188-210-105**



1188 HD Inline Camera Head Only, C-Mount, 0°/ 10ft cable

Part Number: **1188-710-105**



1188 HD Urology Camera Head w/Integrated Beamsplitter

Part Number: **1188-310-130**



1188 HD 24mm Coupler, C-Mount

Part Number: **1188-020-122**

20mm Rotating Coupler, C-Mount

Part Number: **1088-020-121**

20mm Rotating Beamsplitter, C-Mount

Part Number: **1088-020-120 (to be used with inline head only)**

1188 HD Camera 20ft Extension Cable

Part Number: **1188-000-020**



X8000 Lightsource

Part Number: **220-200-000E**

X8000 Replacement Bulb, Xenon-300w

Part Number: **220-201-000**



Technical Specifications

1188 HD Camera

Scanning System	<ul style="list-style-type: none">• Horizontal: 64.00 kHz (60.00 kHz)• Vertical: 60.02 Hz (50.00 Hz)
Imaging Systems	<ul style="list-style-type: none">• 1/3" Progressive Scan CCD• High Definition
Resolution	<ul style="list-style-type: none">• Horizontal: 1100 lines• Vertical: 600 lines• 1280 x 1024
Signal/Noise Ratio	75dB
Mounting	<ul style="list-style-type: none">• Endoscope eyepiece used with C-mount coupler• C-mount camera head used with C-mount scopes• C-mount coupler/scope thread: 1"-32UN-2A
Min. Illumination	<1 Lux
Auto Shutter	1/60-1/50,000 seconds
Gain	Auto Gain Control 0-19dB
Enhancement	16 levels (switchable)
Zoom	<ul style="list-style-type: none">• Digital : 1.5x Digital Zoom – 4 increments• Parfocal
Special Function	<ul style="list-style-type: none">• 9 Specialty Settings Arthroscopy, Cystoscopy, ENT, Flexi-Scope, Hysteroscopy, Laparoscopy, Laser, Microscope, Standard• Electronic Shutter Adjustment• Flexible Scope Filter• Auto Gain Control technology• 8 function Programmable Head• Displays translated in EU languages
Video Outputs	Digital/Analog: Two Digital Video Interface (DVI)/RGBHV 1280 × 1024 (SXGA) format Connector: 29-pin DVI-I Composite: One NTSC standard (PAL standard) Connector: BNC coaxial Y/C: Two S-VHS Connector: 4-pin mini-DIN Digital Fiber: One DVI (R, G, B, Clk) SXGA format Connector: Four Lucent fiber connectors with 1.25 mm ferrules
Cable Connector	Custom PI 19 Pin Connector
Total Shipping Weight	13 lbs. (6.0 kg)
Dimensions	<ul style="list-style-type: none">• Camera Console: 12.5" w × 3.3" h × 15.25" d (31.8 cm w × 8.4 cm h × 38.7 cm d)• Camera Head Cable to Camera Console: 10.3 ft (3.15 m) sealed cable• 20.7 ft (6.30 m) cable extension available
Sterilization	<ul style="list-style-type: none">• Steris• Sterrad• Gas• Glutaraldehyde• Cidex Plus• Cidex OPA
Operating Conditions	<ul style="list-style-type: none">• Temperature: 10 – 40°C• Relative Humidity: 30 – 75%

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