

Luxtec Surgical Video Systems



LUXTEC
A Division of LXI Healthcare, Inc.

Video Systems

For Surgeons Who Demand the Best.

SHARE YOUR KNOWLEDGE WITH
THE POWER OF LUXTEC VIDEO SYSTEMS.



The **MicroLux[®] DLX Headlight Camera** is the smallest, lightest headlight-mounted video camera available for surgeons of all disciplines. It adds less than one ounce to the weight of the headlight. Its ergonomic design reduces the surgeon's head and neck strain during long, difficult cases.

The DLX Camera is the best and easiest way to integrate the power of video in the operating room. Our advanced camera design delivers unobstructed, shadow-free capture of the surgeon's viewpoint - the ideal video solution for observation,

broadcasting, teaching, patient education, and documentation.

The **Critical Data Viewer** from Luxtec is based on the latest "heads-up display" technology. The Viewer attaches to a Luxtec headlight or surgical loupes, allowing surgeons to view vital signs, magnetic resonance images, and other monitor displays without lifting their head from the surgical site. Essentially, any image that can be displayed on a monitor can be displayed on the Viewer. The Viewer allows the surgeon to be more efficient by minimizing movement out of the sterile field to view displays or losing patient focus by searching for monitors. The Viewer will become an indispensable tool for surgeons, cath lab technicians and the operating room team.



The Sony[®] **DVO-1000MD** is a medical grade DVD recorder that features a built-in 80 GB hard drive, to store up to 30 hours of video recording. This recorder has two exclusive features - **DVORECOVERY[™]** and **DVOFAST[™]** - making this recorder one of the most user-friendly recorders ever designed. The DVO-1000MD employs industry standard MPEG 2 video compression to capture images with exceptional clarity. Video is recorded on DVD+RW discs.

Luxtec is an authorized reseller of Sony[®] medical grade products.

Luxtec high-quality **fiber optic cables** are designed to deliver illumination from any high-intensity light source to a surgical instrument. Luxtec provides unrivaled proprietary cabling and end-fittings for most of the world's light sources and illuminated instruments in a vast selection of endoscopic, universal and color-coded cables. Our fiber optic cables are carefully assembled using only medical grade materials. The cables are uniquely reinforced with patented strain reliefs for superior durability. Translucent Luxtec cables allow easy visualization of fiber quality and operation. Cables are also available with a standard opaque grey sheathing.

Our fiber optic cables are widely used in surgical specialties such as Laparoscopy, Otolaryngology, Plastic Surgery, General Surgery, Neurosurgery, Thoracic, Urology, Orthopaedics, and many other applications.



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The Sony® **LCD flat panel monitor** (LUX-LMD-2140MD shown here) is designed specifically for medical environments. This monitor provides superior versatility with a variety of signal input capabilities for analog or digital, SD or HD, and DVI-D, as well as operational conveniences such as its User Memory functionality. The monitor offers a wide viewing angle, high clarity and brightness, and natural color reproduction.

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The Luxtec **UltraLite® headlight's** smart, ergonomic design uses the head's natural contours to remain stable without uncomfortable pressure. The UltraLite Headlight systems (headband or sweatband) are the lightest, brightest headlights available. The **UltraLite™ 2 cable** is packaged in a smaller, lighter weight fiber bundle. The sheathing material is made of strong and flexible W.L. Gore's Sil-Kore™. The cable is bifurcated to evenly split the weight of the cable for maximum comfort.



Floor space is at a premium in most operating rooms. Yet most operating rooms require large amounts of equipment to be in place and ready for use. Stacking related equipment on a **cart** or tower is the most efficient use of space in an operating room. Plus, the carts can be transported to other operating rooms or stored with other equipment as needed. Luxtec is the pre-eminent supplier of illumination in the operating room. With Luxtec accessory products such as the MicroLux® DLX Camera System, Digital Video Recorders, and Sony® monitors and printers, Luxtec offers a complete surgical illumination and recording system all on one of two video cart sizes for ease of transport and minimal floor space usage.

We've spent two decades optimizing light and optics for surgical applications – from open cardio-thoracic procedures to minimally invasive surgeries. Our technology delivers bright white light. In side-by-side comparisons, surgeons consistently find the **Luxtec Xenon light systems** significantly brighter than other Xenon or Metal Halide headlight systems.

The 9300XSP, 300-Watt Xenon Single Port, delivers cool white IR filtered light. The 9300XSP also offers easy to use features including a rotary turret for the ability to connect virtually any fiber optic cable. Other features are a variable light intensity control, bulb age meter, and easy lamp replacement. Luxtec also offers the 9300XDP, 300-Watt Xenon Dual Port light source, (shown here) a version of the 9300XSP with two turrets.

The **Sony® Color Video Printer** (LUX-UP51MD, shown here) produces color video prints at 295 dpi in as little as 20 seconds making it ideal for use in surgical and endoscopic applications when printing still images or frame grabs. The unit comes with 8 MB of memory for exceptional detail and quality. The unit's compact design is easily integrated on medical carts or video towers. The unit has an optional foot switch (LUX-FS36) as well as a remote control (LUX-RM5500). Luxtec also carries another color video printer (LUX-UP21MD). This printer is the ideal choice for color endoscopy and surgical video prints. The compact unit fits easily on medical carts but can produce prints at 400 dpi in as little as 20 seconds. The unit can be operated remotely using either an optional foot switch (LUX-FS36) or remote (LUX-RM5500).

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Ordering Information:

MicroLux® DLX Headlight Camera:

00-3085-NTSC includes Camera Control Unit (CCU) and Camera head mounted on the UltraLite Headlight System

00-3085-PAL includes Camera Control Unit (CCU) and Camera head mounted on the UltraLite Headlight System

Critical Data Viewer:

LUX-MA-0342 Viewer
401190 Headband clip

Digital Video Recorder:

LUX-DVO-1000MD Sony® Digital Video Recorder
LUX-FS-20 Sony DVO Footswitch
LUX-SVRM-100A Sony DVO Remote Control

UltraLite® Headlight Systems:

AX-1375-BIF UltraLite Headlight System, headband, with extended linkage
AX-1375-BIF-SL UltraLite Headlight System, headband, with short linkage
AX-1385-BIF UltraLite Headlight System, sweatband, with extended linkage
AX-1385-BIF-SL UltraLite Headlight System, sweatband, with short linkage

Luxtec Xenon Light Sources:

9300XDP 300-Watt Xenon Dual Port light source
9300XSP 300-Watt Xenon Single Port light source

Luxtec Fiber Optic Cables:

Please contact your local Luxtec distributor or visit us online at www.luxtec.com for more information on ordering endoscopic fiber optic cables, universal and color-coded cables.

Video cart:

LUX-SGM-002 Economy video cart with 3 shelves and flat screen support (shown at right)
LUX-SGM-003 Uni video cart with flat screen support and drawer

Sony monitors and printers:

LUX-LMD-2140MD Sony 21" LCD Flat screen monitor
LUX-LMD-1950MD Sony 19" LCD Flat screen monitor
LUX-UP51MD A5 Color Printer
LUX-UP21MD A6 Color Printer
LUX-FS36 Foot Switch for LUX-UP51MD or LUX-UP21MD
LUX-RM5500 Remote Control for LUX-UP51MD or LUX-UP21MD



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99 Hartwell Street
West Boylston, MA 01583 USA
Tel: +1-508-835-9700
US Toll Free: 1-800-325-8966
Fax: +1-508-835-9976
www.luxtec.com

PH 80383 Rev A