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TO: HD SYSTEMS INTEGRATORS

FROM: ANNE BONDULICH

SUBJECT: INTRODUCTION OF LMD-1951MD 19" MEDICAL GRADE LCD MONITOR WITH LED BACKLIGHT TECHNOLOGY

TYPE: INTRODUCTION

Sony introduces the LMD-1951MD 19" medical grade LCD monitor* to its comprehensive display line-up. It offers a superb combination of newly employed LED backlight technology to reproduce brighter images along with a high quality SXGA (1280 X 1024) LCD panel.

Designed to be used in both SD and HD systems, this new monitor also inherits an array of exceptional features from the popular LMD-2451MD including 10-bit signal processing to produce accurate and lifelike images, and enhanced viewing modes such as Picture-in Picture and Mirror Image.

The LMD-1951MD is equipped with a full range of inputs including Composite, Y/C, RGB/Component, HD15, and DVI-D inputs. Furthermore, the two built-in option slots accept a variety of option boards to offer ultimate flexibility including 3G-SDI input signal and DVI input/output capability to accept up to two DVI-D inputs and one DVI loop-through output allowing users to easily expand, select, and change input/output configuration.

The monitor can be operated with both AC and DC power sources depending on installation requirements (for DC operation, the optional AC-110MD is required). Its compact design and input flexibility allow the LMD-1951MD to be smoothly integrated into virtually any medical environment such as an operating room, examination room, or training lab.



Simulated Image

*Viewable area measured diagonally

Option Boards for LMD-1951MD

1. **BKM-250TG (3G/HD/SD-SDI input adaptor)**

- Dimension (W x H x D) : Approx. 100mm x 20 mm x 162 mm
- Mass : Approx. 270g
- Power consumption : Approx. 4.0W
- Signal input : BNC (2)
- Monitor output : BNC (2)



2. **BKM-256DD (DVI-D input/output adaptor)**

- Dimension (W x H x D) : Approx. 100mm x 20 mm x 154 mm
- Mass : Approx. 250g
- Power consumption : Approx. 2.0 W
- DVI-D 24-pin connectors: 1 input and 1 loop-through output



3. **BKM-220D (SDI 4:2:2 input adaptor)**

- Dimension (W x H x D) : Approx. 100mm x 20 mm x 162 mm
- Mass : Approx. 250g
- Power consumption : Approx. 1.5W
- Signal input : BNC (2)
- Monitor output : BNC (2)



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4. **BKM-243HS (HD/D1-SDI input adaptor)**
 - Dimension (W x H x D) : Approx. 100mm x 20 mm x 162 mm
 - Mass : Approx. 250g
 - Power consumption : Approx. 2.0 W
 - Signal input : BNC (2)
 - Monitor output : BNC (1)



5. **BKM-227W (NTSC/PAL input adaptor)**
 - Dimension (W x H x D) : Approx. 100mm x 20 mm x 162 mm
 - Mass : Approx. 240g
 - Power consumption : Approx. 1.8W
 - Analog composite input : BNC (1)
 - Loop-through output : BNC (1)
 - Y/C input : Mini DIN 4-pin (1)
 - Loop-through output : Mini DIN 4-pin (1)



6. **BKM-229X (Analog component input adaptor)**
 - Dimension (W x H x D) : Approx. 100mm x 20 mm x 162 mm
 - Mass : Approx. 250g
 - Power consumption : Approx. 4.0 W
 - Analog component input(Y/PB/PR, G/B/R) : BNC (3)
 - External Sync input : BNC (1)



Product Description

LMD-1951MD 19" Medical Grade LCD Monitor with LED Backlight technology.

Key Features and Benefits

- **SXGA LCD Panel with LED Backlight Technology**: high quality panel that produces bright high-contrast images
- **Sony ChromaTRU Color Balance**: advanced color space conversion and white balance calibration technology for vivid and accurate colors
- **Full 10-bit Digital Video Signal Processor**: to produce accurate and lifelike images with smooth and natural gradation
- **Variety of Scan/Display Modes**: including Mirror Image, and Picture-in-Picture which allows users to view two images at a time
- **5:4 Aspect Ratio Signal Output**: designed to be used with SD and HD systems
- **Touch-activated Picture Controls**: located on front bezel, controls are backlit when activated; provides a simple user interface
- **Various Color Temperature, Gamma Selection and Scan Settings**: for customization to specific applications and/or users
- **Sophisticated I/P (Interlace to Progressive) Conversion**: using advanced technology, images from interlaced video sources are converted for display on the progressive panel without scaling thus maximizing quality
- **20 User Memory**: function settings programmable to user preferences
- **Serial RS232C or Ethernet Remote**: for flexible remote control options
- **Flat Surface Liquid Resistant LCD Panel**: high level of protection from drips, leaks and spills. Easily wipes clean
- **Key Lock Control Button**: conveniently prevents unintentional picture setting changes during procedures
- **VESA Mounting**: complies with the 100mm hole spacing VESA mounting standard
- **7 Language On Screen Display**: English, French, Spanish, German, Italian, Chinese and Japanese
- **AC and DC Operation**: depending on installation requirements
- **Two Built-in Option Slots**: to easily expand, select, and change input/output signals via optional input adapter boards

Suggested Applications

For displaying HD and SD surgical video in the operating room or for any other medical application requiring a high performance medical grade monitor. Ideal for mounting on surgical carts, boom arms, or walls. For mounting on carts or at a desktop workstation use the matching Sony SU-560 monitor stand (optional). Can be integrated into virtually any medical environment.

Pricing

The LMD-1951MD is available in the following configurations:

MODEL	DESCRIPTION	SUGGESTED LIST PRICE	MEDICAL HD SYSTEMS INTEGRATOR PRICE	AVAILABLE
LMD-1951MD*	24" HD Medical Grade LCD Monitor	\$3,700.00	\$2,072.00	10/15/2010
LMD-1951MD/HD*	24" HD Medical Grade LCD Monitor with built-in BKM-243HS HD-SDI Board and AC-110MD AC adapter	\$4,575.00	\$2,562.00	10/15/2010
AC-110MD	AC Adapter	\$495.00	\$277.20	10/15/2010

*Standard model LMD-1951MD does not include the AC-110MD AC adapter.

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Optional Accessories for the LMD-1951MD:

MODEL	DESCRIPTION	SUGGESTED LIST PRICE	MEDICAL HD SYSTEMS INTEGRATOR PRICE	AVAILABLE
SU-560	Desktop Stand for LMD-1951MD	\$445.00	\$249.20	Now
BKM-220D	SDI 4:2:2 Input Adapter for LMD Series Monitors	\$525.00	\$393.75	Now
BKM-243HS	HD/SDI Input Adapter for LMD Series Monitors	\$1,299.00	\$974.00	Now
BKM-227W	NTSC/PAL Input Adapter for LMD Series Monitors	\$750.00	\$562.50	Now
BKM-229X	Analog Component Input Adapter for LMD Series Monitors	\$750.00	\$562.50	Now
BKM-250TG/2	3G/HD/SDI Input Adapter for LMD-1951MD	\$2,290.00	\$1,717.50	Now
BKM256DD	DVI Input Adapter for LMD-1951MD	\$650.00	\$487.50	Now

Features and specifications subject to change without notice.

Please contact your Sony Account Manager should you have any questions.

Good Selling!

Anne Bondulich
 Marketing Manager for Surgical Products
 Medical Systems
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