SONY®
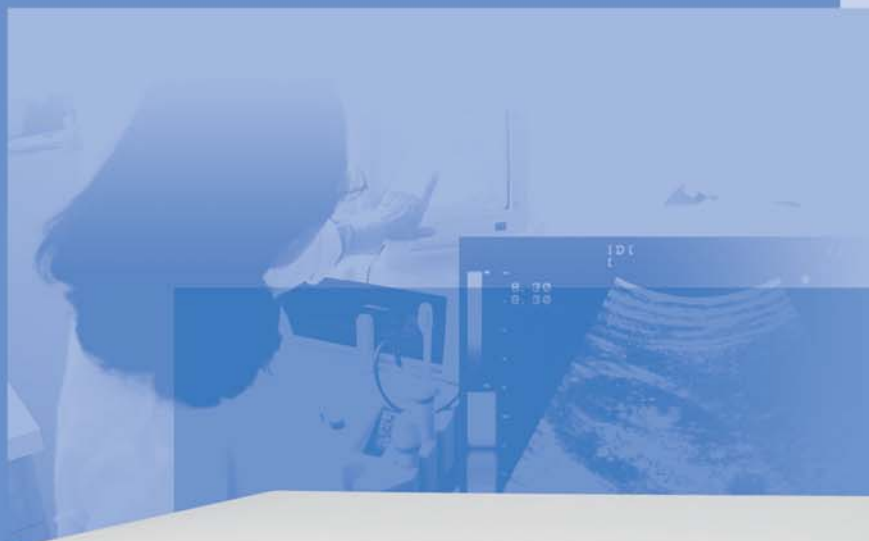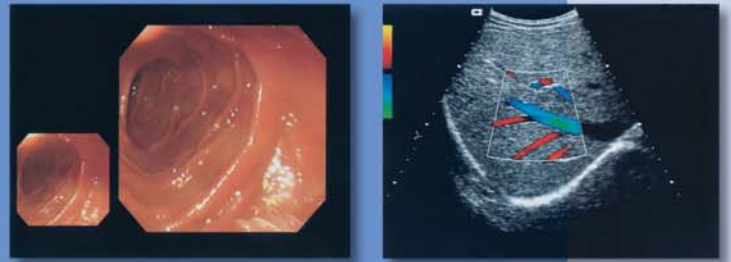
Color Video Printer
UP-55MD

Delivering stable printing quality and reliability packed into a compact and lightweight body, the UP-55MD color video printer is ideal for use in a wide range of medical applications.

Sony is proud to introduce the UP-55MD color video printer. Using Sony dye sublimation technology, the UP-55MD produces sharp, high quality prints approximately 6 x 7 inches in size at fast printing speeds. In addition, it is designed for heavy-duty use, offering superb reliability and durability.
In addition to being the perfect printing solution for a host of medical applications, such as in high-end endoscopy and ultrasound systems, the UP-55MD is also well suited to a wide range of scientific, industrial, and engineering uses that require high-performance printing systems.
With a wealth of features in its compact body, the UP-55MD is ideal for creating high-quality, hard-copy images from video.
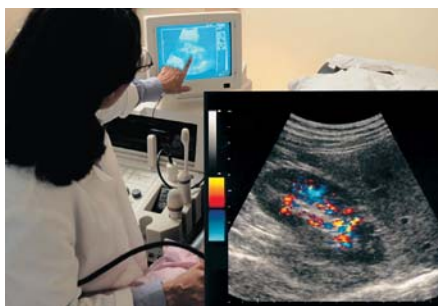
For ultrasound
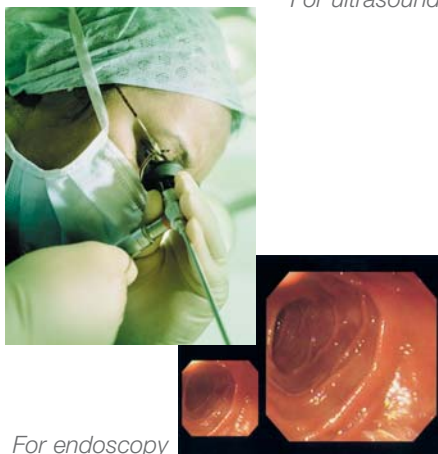
For endoscopy

For microsurgery

Superb Print Quality and Color at approx. 379-dpi Resolution

Using Sony dye sublimation printing technology, the UP-55MD can produce photo-quality prints with a high resolution of approx. 379dpi. Its innovative Photo Quality Processor image-processing system provides highly accurate image reproduction.

High-speed Printing

The introduction of the Photo Quality Processor, combined with a highly sensitive print media, the UP-55MD can output an A5-size print in approx. 20 seconds.

Compact Size and Simple Front Operation

The UP-55MD has a compact design of approx. 280 (W) x 125 (H) x 398 (D) mm (11 1/8 x 5 x 15 3/4 inches) and, thanks to the adoption of a new printing mechanism, it weights just 9.0 kg (19 lb 13 oz). Its compact body enables it to fit easily into medical cart or constrained spaces.

Furthermore, it is designed with a convenient front panel that offers easy maintenance and flexible setup.

Convenient Image Copy Function

The UP-55MD is equipped with a USB host port on the front panel for its Image Copy function. Image data transferred to the printer, can also be saved to USB flash memory* in JPEG format. Images can be browsed using compatible PCs and used as common digitalized data for any other purpose-such as medical reports, presentations, and other documentation requiring the use of the images. Once saved to USB flash memory, images cannot be reprinted from the UP-55MD.

* USB flash memory is available as an option.

Color Balance Adjustment Function

A Color Balance Adjustment function allows you to easily select the color that most closely matches your requirements. Three alternative gamma curves are also available, so you can select the one that provides the most suitable tonal range for your application.
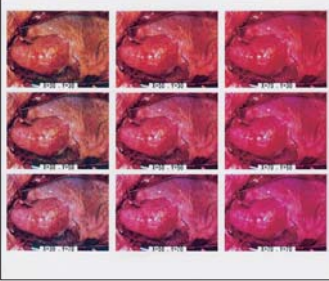
2-, 4- and 8-Split Image Print Mode

As well as printing out a single image, the UP-55MD can also provide two, four, and eight images split across a single sheet.

Eight Frame Memories

The UP-55MD features eight built-in memories, allowing up to eight frame-quality color images to be stored simultaneously. While printing an image from one of these memories, the UP-55MD can simultaneously store additional images in the remaini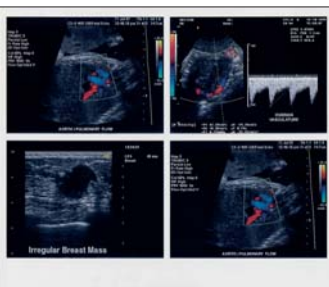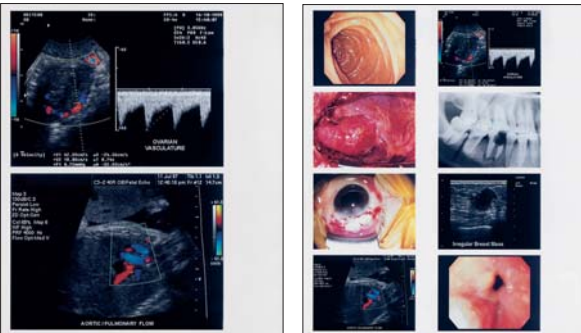ng memories. Furthermore, multiple images can be saved in these frame memories and can be printed out as a single print.

Versatile Analog Video Inputs and Outputs

The UP-55MD accepts and outputs analog R/Cr, G/G+S/Y, B/Cb, SYNC, Video, S-Video signals.

Medical Regulations

The UP-55MD complies with the following regulations applicable to medical devices: UL-60601-1, UL-60950, EN60601-1+EN60601-1-2 (EMC)

Universal Powering System

The UP-55MD can operate with AC 100 V to 120 V and AC 220 V to 240 V power supplies, making it suitable for use all around the world.

Help function

To reduce the risk of losing image data transferred to a frame memory in the event of unexpected mechanical problems*, the UP-55MD is equipped with a Memory Stick™ slot for its Help function. When a problem occurs, image data in the frame memory is automatically saved to the Memory Stick temporarily, together with all the most recent menu-setting values. Users can reprint an image saved on the Memory Stick only from the UP-55MD.

* Excluding problems caused by the unexpected failure of a power supply.

Paper Stopper

The paper tray is equipped with a paper stopper that prevents printed sheets from sliding down onto the desk or floor.

SPECIFICATIONS

UP-55MD	
Printing system	Sublimation heat transfer printing
Printable pixels	2528 x 1920 dot (full screen print)
Gradations	8-bit (256 levels) processing each for yellow, magenta, and cyan
Printing time	Approx. 20 seconds (High-speed Mode)
Thermal head	14.93 dots/mm
Input connectors	RGB/Component (BNC x 3): 0.7 Vp-p SYNC ON G:0.3 Vp-p, sync negative
	SYNC (BNC x1): 0.3 to 4 Vp-p, sync negative
	S-Video (4-pin mini-DIN x 1): Y: 1 Vp-p, sync negative
	C: 0.286 Vp-p (NTSC), 0.3 Vp-p (PAL)
	VIDEO (BNC x 1): 1 Vp-p, sync negative
	AC IN (for power input)
Output connectors	RGB/Component (BNC x 3): 0.7 Vp-p SYNC ON G:0.3 Vp-p, sync negative
	SYNC (BNC x1): 1.0 Vp-p, sync negative
	S-Video (4-pin mini-DIN x 1): Y: 1 Vp-p, sync negative
	C: 0.286 Vp-p (NTSC), 0.3 Vp-p (PAL)
	VIDEO (BNC x 1): 1 Vp-p, sync negative
Control connector	REMOTE 1: special mini jack x1 (for RM-5500 Remote Control Unit)
	REMOTE 2 (automatic printing connector): stereo mini jack x 1 (for RM-91 Remote Control Unit)
	RS-232C (computer control interface): D-SUB 25-pin connector x 1
USB host port	For the USB flash memory device
Power requirements	100 to 120 V AC, 50/60 Hz (for 100 to 120 V AC users)
	220 to 240 V AC, 50/60Hz (for 220 to 240 V AC users)
Input current	2.8 A max. at 25 °C (for 100 to 120 V AC users)
	1.2 A max. at 25 °C (for 220 to 240 V AC users)
Operating temperature	5 °C to 35 °C (41 °F to 95 °F)
Operating humidity	20% to 80% (no condensation allowed)
Storage and transport temperature	-20 °C to 60 °C (-4 °F to 140 °F)
Storage and transport humidity	20% to 90% (no condensation allowed)
Dimensions (W x H x D)	280 x 125 x 398 mm (11 1/8 x 5 x 15 3/4 inches) excluding the projection parts
Mass	Approx.9.0kg (19 lb 13 oz)
Safety standards	UL 2601-1 CSA C22.2 No. 601.1 EN 60950, EN 60601-1
Supplied accessories	Paper tray (1), Ink ribbon holder (1), "Before using printer" document (1), Instruction for use (1), AC power cord (1)
	CD-ROM with PDF files of multi-language usage instructions) (1)

COLOR PRINTING PACK

UPC-55
Color Printing Pack
(2 x 100 sheets of paper, 2 ink ribbons)

OPTIONAL ACCESSORIES

RM-5500
Wired/Wireless Remote Commander

RM-91
Remote Control Unit