

# SONY®

Color Video Printer

# UP-21MD



**A**s the size of medical imaging equipment such as endoscope and ultrasound get smaller, medical printers which are integrated in these equipment are also required to be compact.

Now Sony introduces the UP-21MD Color Video Printer, which has compact design so that it can fit into limited space. Its compact width of 212 mm enables it to be rack mounted on a medical cart side by side with another equipment.

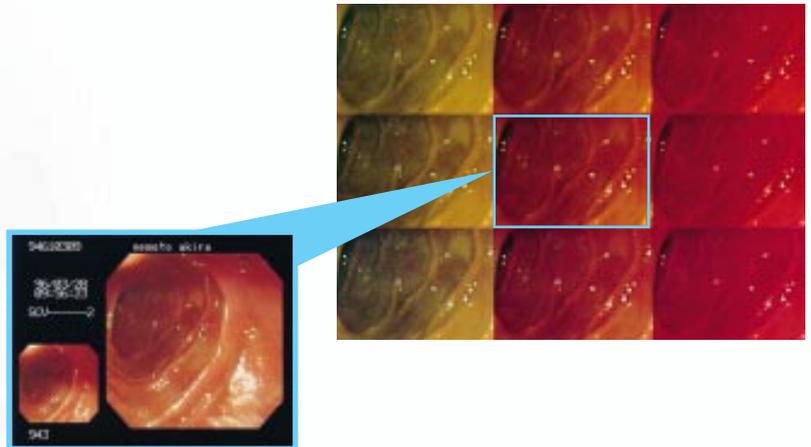
Using Sony dye sublimation printing technology, UP-21MD produces near A6-size prints with approx. 400 dpi in approx. 16 seconds\*. Together with easy maintenance and convenient front-loading operation, The UP-21MD is the ideal choice for many medical applications and industrial uses.

\* Measured at high speed mode with the UPC-21S Color Printing Pack.

### Superior Print Quality and Color Reproduction at approx. 400 dpi Resolution

Incorporating Sony dye sublimation printing technology, the UP-21MD provides photo-realistic quality prints with more than 16 million color tones. The proven PQC (Picture Quality Control) technology provides highly accurate image reproduction.

Equipped with a color adjustment function, you can easily select the color that most closely matches your requirements



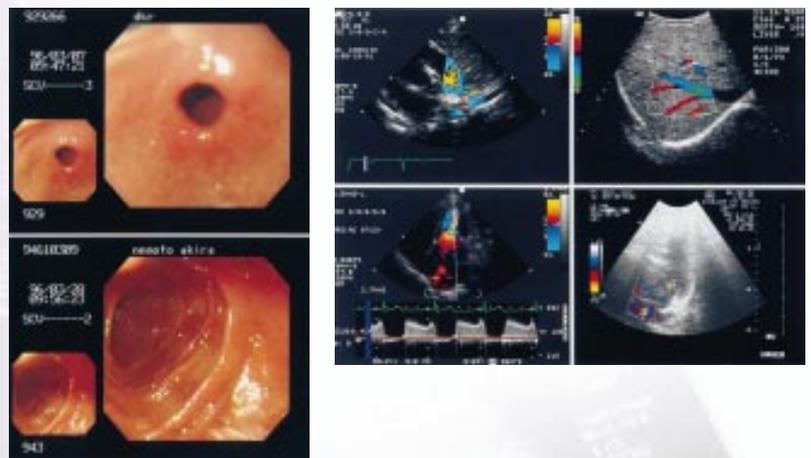
### High-Speed Printing, A6 Size

Near A6-size prints can be created in approx. 16 seconds\* using the newly developed print paper which has high durability.

\*Measured at high speed mode with the UPC-21S Color Printing Pack

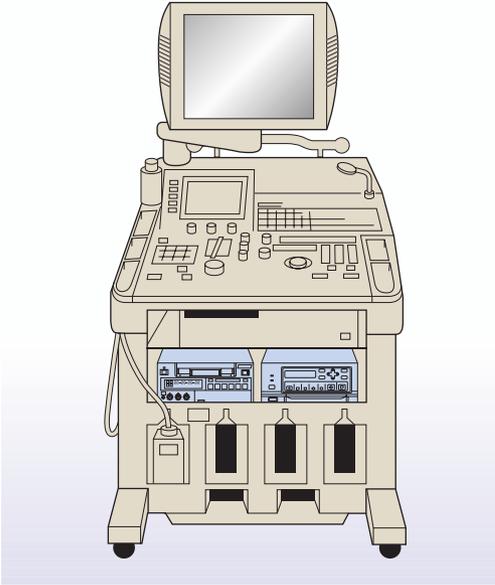
### 2 or 4-Split Image Print Mode

Different images can be printed on a single paper.



### Compact size

The UP-21MD has the dimensions of approx. 212(W) x 125(H) x 395(D) mm (8 3/8 x 5 x 15 5/8 inches) and a mass of 6.5 kg (14 lb 5 oz). Its compact width enables it to fit into the limited spaces and to be rack mounted on a medical cart side by side with another equipment.



### Printing Paper

Two types of printing packs are available for use with the UP-21MD. The UPC-21S Color Printing Pack contains an ink ribbon and S size paper (100 mm x 90 mm) for 240 prints. The UPC-21L Color Printing Pack contains L size paper (144 mm x 100 mm) for 200 prints.

### Four Frame Memories

The UP-21MD features four built-in memories so that up to four frame-quality color images can be stored in memories simultaneously. While printing an image from one of the memories, the UP-21MD can simultaneously store additional images in the remaining memories. Furthermore, multiple images can be saved in the frame memories and can be printed out as a single print.

### Front Operation

The UP-21MD is designed to be operated from front panel, offering easy maintenance and flexible set up.

Menu operation can be performed using buttons on the front panel.



### Versatile Analog Video Inputs and Outputs

The UP-21MD accepts and outputs an analog RGB, S-Video (Y/C) or composite video signal.

### RS-232C Port

The UP-21MD has an RS-232C port so that the printer can be controlled from external equipment such as a computer.



### Convenient Remote Controls

Two optional wired/wireless remote control units are available.

The RM-91 is a single button controller, while the RM-5500 provides comprehensive control of printer functions. With these remote control units, printer operation is both simple and easy in many different applications.

## Specifications

Printing Method	Dye sublimation printing		
Resolution	403 dpi (1664 dots)		
Gradations	256 gradations for Yellow, Magenta, Cyan Over 16.7 million colors per dot		
Effective Print Pixels			
NTSC	S Size	1,524 x 976 dots	
	L Size	2,032 x 1,452 dots	
PAL	S Size	1,524 x 1,176 dots	
	L Size	1,524 x 1,458 dots	
Print Area			
NTSC	S Size	Full	95.8 x 72.4 mm
		2 Splits	68.3 x 47.5 mm
	L Size	Full	126.9 x 91.5 mm
		2 Splits	87.7 x 63.2 mm
		4 Splits	63.5 x 45.7 mm
PAL	S Size	Full	95.8 x 72.7 mm
		2 Splits	68.3 x 47.7 mm
	L Size	Full	126.9 x 91.9 mm
		2 Splits	87.7 x 63.4 mm
		4 Splits	63.5 x 45.9 mm
Paper Size	A6 S Size 100 x 90 mm (4 x 3 5/8 inches)		
	A6 L Size 144 x 100 mm (5 3/4 x 4 inches)		
Printing Time (High-speed Mode)			
NTSC	UPC-21S approx. 16 seconds		
	UPC-21L approx. 25 seconds		
PAL	UPC-21S approx. 17 seconds		
	UPC-21L approx. 25 seconds		
Memory	4 Frame Memories		
Control Terminal	Remote 1 (special mini) for optional RM-5500		
	Remote 2 (stereo mini) for optional RM-91		
	RS-232C interface port (D-sub 25-pin) for external computer		

Inputs/Outputs	Video, S-Video, RGB
Paper Tray Capacity	L size tray : Max. 50 sheets
	S size tray : Max. 80 sheets
Power Consumption	100 to 120 V: 1.8A, 220 to 240 V:1.0 A
Power Requirements	AC 100 to 120 V, 50/60 Hz AC 220 to 240 V, 50/60 Hz
Dimensions	212(W) x 125(H) x 395(D) mm (8 3/8 x 5 x 15 5/8 inches)
Mass	Approx. 6.5 kg (14 lb 5 oz)
Safety Standards	UL2601-1, CSA C22.2 No.601.1, EN60601-1

## Supplied Accessories

AC Power Cord
Operation Manual
Print Tray
Color Printing Pack (10 prints)
Thermal Head Cleaning Cartridge

## Optional Accessories

UPC-21S Color Print Pack (for 240 prints)
UPC-21L Color Print Pack (for 200 prints)
RM-5500 Wired/Wireless Remoto Control Unit
RM-91 Remoto Control Unit
UPA-21SA Slide Adapter

## Optional Accessories



UPC-21S Color Print Pack



UPC-21L Color Print Pack

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