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UP-DR80MD
Digital Colour Printer

SONY

DIGITAL COLOR PRINTER UP-DR80MD

Sony is proud to introduce a new stylish digital color printer, the UP-DR80MD.

Demand for color printing in the medical environment is ever increasing, especially for A4/letter-sized prints, as more and more color images are required in medical reporting and records. The expectation is also for durability and high quality, as these prints need to be kept in long-term storage.

In response to these demands, the UP-DR80MD incorporates Sony's dye sublimation technology, which has already been well received for its high-quality prints in the digital photo market. Thanks to this technology, the UP-DR80MD produces high-quality and highly durable prints in A4/letter size with a fast printing speed.
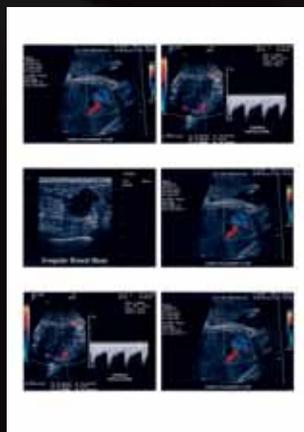These features are suitable for surgical endoscopy and other medical environments such as ultrasound and dental applications. The UP-DR80MD can also be used as a general-purpose color printer for A4/letter-sized color printing in medical offices.

Moreover, the UP-DR80MD boasts a compact and sophisticated design with a stylish white color that blends well with medical modalities such as cart systems.

Thanks to its superb picture quality and high durability, the UP-DR80MD is ideal for creating full-color medical images on A4/letter-sized prints.

For open surgery

For ultrasound

For dental

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Features

Superb Print Quality

Incorporating Sony's dye sublimation technology, the UP-DR80MD produces photo-quality prints. It also employs Sony's laminating technology, which coats each print with a protective layer that's resistant to light, heat, water, humidity, and fingerprints. This laminating technology allows the prints to be placed in long-term storage without fear of degradation. The UP-DR80MD can print onto two different sizes of paper: A4 (297 x 210 mm, 11 3/4 x 8 3/8 inches) and Letter (279 x 216 mm, 11 x 8.5 inches).

Stylish Design and Compact Size

The UP-DR80MD has a stylish design that fits perfectly with most medical environments. Its glossy white surface allows users to wipe it clean easily. Also, the compact body of the UP-DR80MD (approx. 317(W) x 207(H) x 425(D) mm (12 1/2 (W) x 8 1/8 (H) x 16 3/4 (D) inches) enables it to fit into both medical carts and constrained spaces.

Useful Front Operation

The front-loading operation makes it easy to replace paper and ribbon, and allows the UP-DR80MD to be installed in even the tightest of spaces. This useful design feature also allows you to use the printer on-cart.

High-speed Printing

The UP-DR80MD operates at high speed. Printing an A4-sized image takes approximately 76 seconds and a letter-sized image takes approximately 72 seconds.

Easy Color Adjustment

The UP-DR80MD offers easy color adjustment via its printer driver property. This incorporates a preview image from which you can confirm and adjust images easily.

Color Look Up Table

Two types of color look up table are available to reproduce suitable colors for different modalities, such as endoscopy and ultrasounds. The default "Natural" setting creates a color based on the s-RGB monitor, which is suitable for endoscopy images. For ultrasound images, a "CG" color mode is available that reproduces more vivid colors. These settings are selectable via the printer property.

Gray Balance Adjustment

A Gray Balance Adjustment function allows you to easily select the color that most closely matches your requirements and provides the most suitable tonal range for your application.

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Specifications

UP-DR80MD

Printing Method	Dye Sublimation Thermal Printing
Resolution	301 dpi
Gradations	8 bits (256 levels) processing each for yellow, magenta and cyan
Effective Print Pixels	A4 size UPC-R80MD: 3400 x 2392 dots
	Letter size UPC-R81MD: 3192 x 2464 dots
Print Size	A4 size: 287 x 202 mm (11 1/4 x 8 inches)
	Letter size: 269 x 208 mm (10 5/8 x 8 1/4 inches)
Printing Time	A4 size: Approx. 76 sec
	Letter size: Approx. 72 sec
Interface	Hi-Speed USB (USB 2.0)
Paper Tray Capacity	50 sheets
Power Requirements	AC 100 to 240 V, 50/60 Hz
Input Current	3.4 to 1.4 A
Operating Temperature	5 °C to 35 °C
Operating Humidity	20% to 80% (no condensation allowed)
Storage and Transport Temperature	-20 °C to 60 °C
Storage and Transport Humidity	20% to 80% (no condensation allowed)
Dimensions	Approx. 317(W) x 207(H) x 425(D) mm
	(12 1/2 (W) x 8 1/8 (H) x 16 3/4 (D) inches)
Mass	Approx. 11.5 kg (25.3 lbs)

Safety Regulations		
	US/Canada	Safety: UL60601-1, UL60950-1
		CSA C22.2 No.601.1, CSA C22.2 No.60950-1
		EMC: FCC: 47CFR Part 15 Subpart B Class A Digital Device
		IC: ICES-003 Class A
	Europe	Safety: EN60950-1, EN60601-1
		EMC: EN55022 ClassB, EN55024, EN61000-3-2,
		EN61000-3-3, EN60601-1-2, EN50371
	Australia	EMC: AS/NZS CISPR22 ClassB
	Japan	Safety: JIS T0601-1
		EMC: VCCI Class A, JIS C61000-3-2, JIS T0601-1-2
	Common	Safety: IEC60950-1, IEC60601-1

Print Media

UPC-R80MD: A4 size
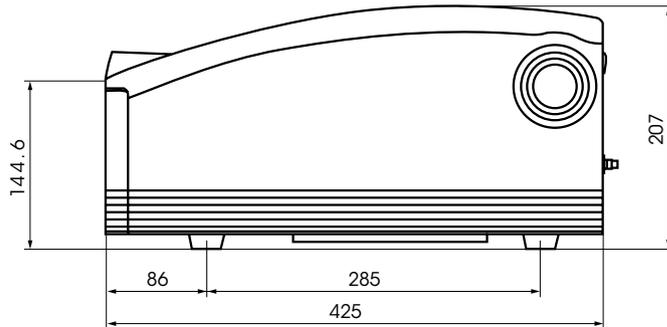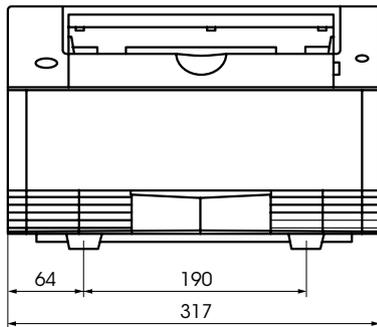Contents: Paper roll for 50 prints x 2
Ink ribbon x 2

UPC-R81MD: Letter size
Contents: Paper roll for 50 prints x 2
Ink ribbon x 2

Dimensions

Unit : mm

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