UP-D711MD

Digital Graphic Printer

SONY
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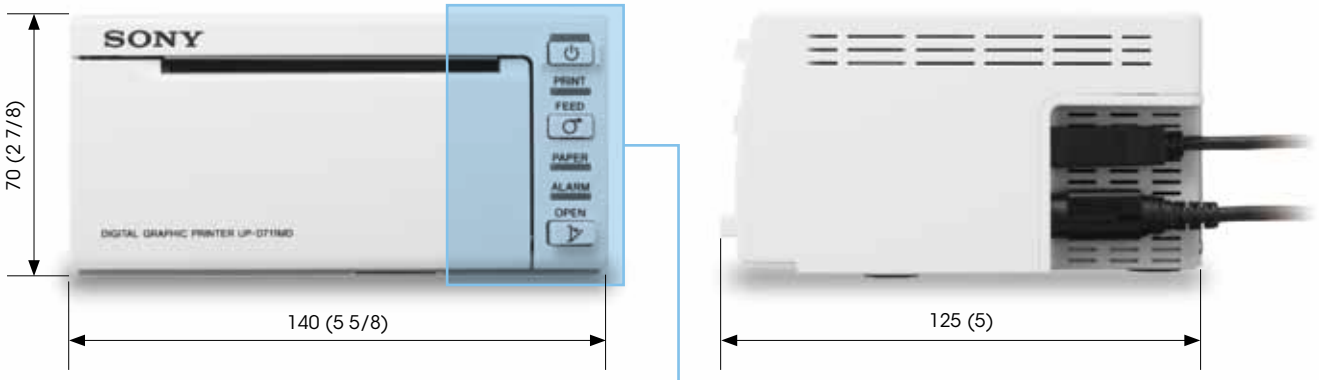
Compact, Reliable and Economical New Medical Grade Thermal Printer Offers Printing Convenience to Your Portable System

For over 20 years, Sony has been a trusted and reliable source of medical printers, offering high-quality printers with exceptional picture quality. Now, Sony is proud to introduce the UP-D711MD monochrome digital graphic printer to its reputable medical-grade printer line-up.

The UP-D711MD is designed to be used in an ultrasound system, particularly when portability is important. The size of the printer is extremely compact, and it uses 84 mm (3 1/2 inch) width print paper and direct DC input. It also offers an array of great characteristics from other popular Sony graphic printers, such as superb picture quality and reliability.

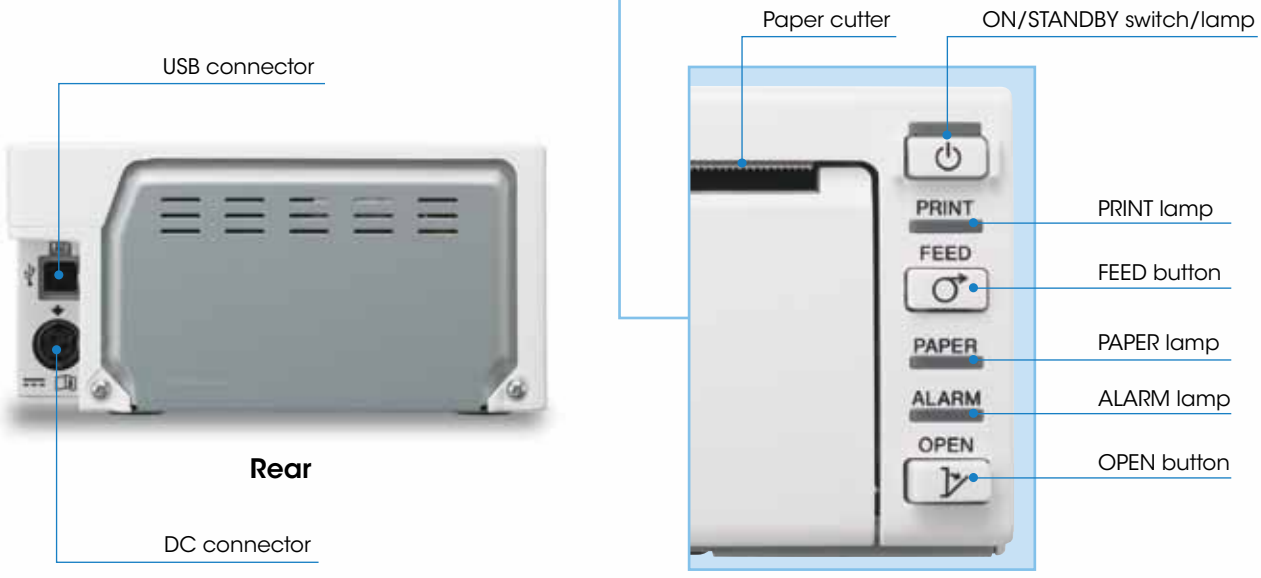
This compact, high-quality monochrome A7-size digital graphic printer is the ideal choice for downsizing and mobilizing your ultrasound system.



Front

Side (with cables)

Unit: mm (inches)



Rear

Key Features

DC Input

The UP-D711MD operates with a DC power source from 12 to 24 V. The printer is designed so that its power can be supplied directly from a medical system without requiring an AC outlet and AC adaptor.

Space-saving Compact Design

The UP-D711MD has a space-saving compact design with dimensions of 140 (W) × 70 (H) × 125 (D) mm (5 5/8 × 2 7/8 × 5 inches) and a weight of just 1 kg (2 lb 3 oz). This provides installation flexibility, with freedom to build your medical system to meet your specific design and ergonomic criteria.

Low Power Consumption

The power consumption of the UP-D711MD while printing and in stand-by is greatly reduced to less than 50% when compared with the UP-D897. This enables you to downsize the power supply system in your medical equipment, helping you to save energy.

Medical Regulations

The UP-D711MD complies with the medical regulations applicable to medical devices*1.

Superb Picture Quality

Incorporating Sony's reputable thermal printing technology, and backed by decades of experiences in medical imaging, the UP-D711MD produces photo-quality prints with a high resolution of approximately 300 dpi and 8-bit (256 levels) processing.

*1 Please refer to the specifications for more details.

*2 The correct paper type must be selected on the printer driver before use.

Installation-friendly

As well as being compact, the printer is designed so its shape incorporates space for the cable connectors. This means you can fit the printer into space-limited environments, and keep all cable connections organized.

Paper Type Selection

You can select which type of printing paper to use, according to your needs*2. UPP-84HG High Glossy Printing Paper produces high-quality, glossy and near-photographic-quality prints. UPP-84S High Quality Printing Paper delivers quality at an affordable cost.

Easy Paper Loading

Paper loading is very easy. Press the OPEN button to open the paper door and drop in the paper roll. Then simply close the door, and the printer is ready to use..

Printing Features

Various Print Modes

The UP-D711MD offers a variety of print sizes including 4:3 aspect ratio and 3:1 panoramic size. Panoramic size prints are especially suited to dental applications. Furthermore, various print modes – including orientation and reverse printing – can be set in the printer driver menu.

Paper Saving Mode

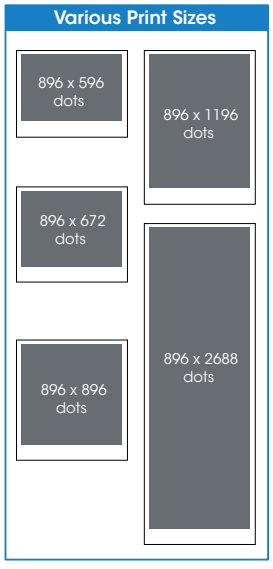
The paper feed is reduced when the Auto Post Feed Mode setting is set to OFF in the printer driver. This lowers paper consumption when printing multiple images.

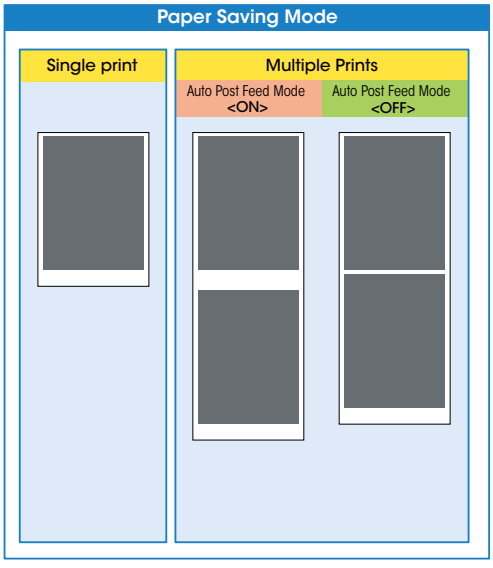
Resize Feature

Image data can be automatically enlarged to fit a preset printing area, simply by adjusting a setting in the printer driver. This speeds up host device transfer of small image data, as it reduces data transfer times.

Prints with Information

If required, above each printed image you can add relevant print condition information – you can include contrast, brightness, gamma and sharpness information. This is simple to achieve by adjusting settings in the printer driver.





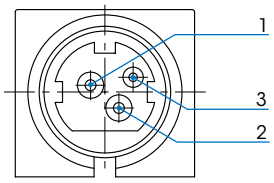
SPECIFICATIONS

	UP-D711MD
Printing Method	Direct thermal printing
Resolution	300.6 dpi
Gradations	8 bits (256 levels) processing
Picture elements	2,688 x 896 dots
Picture area (max)	75.7 x 227.1 mm (3 x 9 inch)
Paper size	UPP-84HG: 84 mm x 12.5 m (3 1/2 inch x 41 ft) UPP-84S: 84 mm x 13.5 m (3 1/2 inch x 44 ft 3 inch)
Printing time	Approx 5 sec / 896 x 1,196 dots (High speed print mode) Approx 8 sec / 896 x 1,196 dots (Normal speed print mode)
Picture memory	One full size image : 2,688 x 896 x 8 (bit)
Interface	Full speed USB
Printer driver software	Windows XP 32/64bit, Vista 32/64bit, 7 32/64bit
Power requirements	DC 12 V to 24 V
Input current	6 A to 3 A
Operating temperature	5°C to 35°C (41°F to 95°F)
Operating humidity	20% to 80% (non condensing)
Storage and transport temperature	-40°C to +60°C (-40°F to +140°F)
Storage and transport humidity	20% ~ 80%
Dimensions (W x H x D)	140 x 70 x 125 mm (5 5/8 x 2 7/8 x 5 inches) Not incl. projecting parts
Mass	1Kg (2 lb 3 1/4 oz)
Safety Standards	(US/CA) UL 60950-1, 60601-1, CSA C22.2 No.60950-1, No.601.1
	(EU) EN 60950-1, EN60601-1
	(CB) IEC 60950-1, IEC 60601-1
EMC Standards	(US/CA) FCC Part 15 Subpart-B Digital Device Class A, ICES-003 Class A Digital Apparatus
	(EU) EN 55022 (Class B), EN 55024, EN60601-1-2
	(J) VCCI Class A
	(AU) EN55022 Class B
	(KC) KN22, KN24 Class B
EMC directive	(EU) MDD, EMC
Supplied Accessories	Thermal head cleaning sheet (1), CD-ROM (1), Before using this printer (1)

PIN ASSIGNMNTS

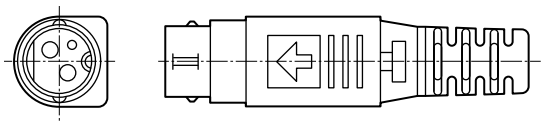
DC IN connector (Hoshiden TCS7960-53)

Pin No.	
1	DC IN
2	GND
3	NC



* The DC power plug needs to be Hoshiden TCP8927-53.

DC Power Plug



PRINTING PAPERS

UPP-84HG
High Glossy Printing Paper
Paper Size: 84 mm x 12.5 m (3 1/2 inch x 41 ft)

UPP-84S
High Quality Printing Paper
Paper Size: 84 mm x 13.5 m (3 1/2 inch x 44 ft 3 inch)

Distributed by

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