

UP-D898MD

A6 Digital Black and White Thermal Printer



Overview

High speed, high quality black & white printing of medical images with a compact space-saving footprint

The UP-D898MD is a compact A6 medical grade black and white digital printer. It's designed to be integrated into a wide range of compatible medical imaging environments such as digital ultrasound systems, mobile C-arms or cardiac catheterisation laboratory. The high quality thermal print engine can produce hard copy prints of still images captured by these systems for use in patient records and referrals.

(Please note that images printed from the UP-D898MD are not to be used for diagnosis).

The UP-D898MD is a successor to the popular Sony UP-897 series of medical printers. Redesigned and upgraded, it offers several operational and ergonomic enhancements while retaining the same space-saving footprint and easy integration into medical carts. Usability is further enhanced by an enlarged LCD display panel and joystick for intuitive menu navigation.

Capable of delivering high-quality black & white prints in under two seconds. Advanced thermal printing technology delivers near-photo quality results using widely available print media.

Features

- **High print quality**

Advanced thermal printing technology enables photo-quality black & white prints with resolutions up to approximately 325 dpi and grey levels up to 256 steps.

- **A6 prints in less than two seconds**

While operating in high speed mode, the UP-D898MD can produce A6-size prints in approximately 1.9 seconds (when used with UPP-110HG or UPP-110S print media).

- **Compact, space-saving design**

Measuring 88mm (H) x 154 mm (W) x 240 mm (D), the UP-D898MD has the same space-saving design as the UP-D897MD for easy, flexible integration into medical carts.

- **Enhanced operability**

Building on the success of the popular UP-D897, the UP-D898MD features an enlarged LCD panel that displays printer settings, selected paper type and advisory messages. An intuitive joystick control allows speedy menu navigation, while the new Auto Lock mode prevents unintentional changes to print settings.

- **Hard copy reference of print settings**

For convenient reference, selected settings (Brightness, Contrast, Gamma and Sharpness) can optionally be printed in a blank space on the print paper.

- **Uses widely available print media**

Sony offers a choice of three high quality, widely available A6 thermal print media types to meet the needs of different applications. Choose from the UPP-110HD, UPP-110S, or the UPP-110HG High Glossy Printing Paper that produces glossy, long-lasting near-photo quality prints.

- **Wide PC compatibility**

For maximum flexibility, a wide range of PC drivers are provided for Windows XP, Vista, 7 and 8 (32/64bit).

- **Quick guide print**

Quick instruction guides for different print operations can be selected via the front control panel. They can be printed out for easy reference without needing to refer to the user manual.*

*English only.

- **Compliance with Medical Safety Standards***

This device is compliant and certified for IEC 60601-1 and product safety standards in the U.S.A., Canada and Europe.

*Registration status as a medical device may vary, depending on country.

For more details, please contact your nearest Sony office or an authorised dealer.

Technical Specifications

Specifications	
● Printing Method	Direct thermal printing
● Resolution	325 dp
● Gradations	8 bits (256 levels) processing
● Picture Elements	Digital: 4,096 x 1,280 dots
● Picture Area	320 x 100 mm (12 5/8 x 4 inches)
● Paper Size	Paper width of 110 mm (4 3/8 inches)
● Printing Time	High-speed mode: Approx. 1.9 seconds/image (960 x 1,280 dots) Normal speed mode: Approx. 3.3 seconds/image (960 x 1,280 dots)
● Picture Memory	Digital: 4,096 x 1,280 x 8 (bit)
● Interface	Hi-Speed USB (USB 2.0) (x1)
● Printer Driver Software	Microsoft Windows XP 32/64, Vista 32/64, 7 32/64, 8 32/64
● Power Requirements	AC 100 V to 240 V, 50/60 Hz
● Input Current	1.3 A to 0.6 A
● Operating Temperature	5°C to 40°C (41°F to 104°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 80% (no condensation allowed)
● Dimensions (W x H x D)	154 x 88 x 240 mm (6 1/6 x 3 1/2 x 9 1/2 inches)
● Mass	2.5 kg (5 lb 8 oz)
● Safety Standards	(US/CA) ANSI/AAMI ES60601-1, UL 60601-1, UL 60950-1, CAN/CSA-C22.2 No.60601-1, CAN/CSA C22.2 No.601.1, CAN/CSA C22.2 No.60950-1 (EU) EN 60601-1, EN 60950-1 (CB) IEC 60601-1 (2nd/3rd Ed.), IEC 60950-1
● EMC Standards	(US/CA) FCC Part 15 Subpart-B Digital Device Class A, ICES-003 Class A Digital Apparatus (EU) EN 60601-1-2 (Class B), EN 55022 (Class B)+EN 55024, EN 61000-3-2+ EN 61000-3-3 (AU) AS/NZS CISPR22 (EN55022) Class B (JP) VCCI Class A, JIS C 61000-3-2 (KR) KN22, KN24 Class B
● EC Directive	(EU) MDD, EMC, LVD
● Supplied Accessories	Thermal head cleaning sheet (1), CD-ROM (1), Before Using this Printer (1), Service Contact List (1)

Medical Black & White Thermal Print Media



UPP-110HD

A6 width B&W High Density print media (type II) for use in UP-UP-X898MD / D898MD / 897MD / D897MD / D897 / 895 / D895 / 890 / D890 / 860 / D860 printers



UPP-110HG

A6 width B&W High Glossy print media (type V) for use in UP-X898MD / D898MD / 897MD / D897MD / D897 / 895 / D895 / 890 / D890 / 860 / D860 printers.



UPP-110S

A6 Size B&W High Quality Print Media (type I) for use in UP-X898MD / D898MD / 897MD / D897 / 895 / D895 / 890 / D890 / 860 / D860