Specifications

Printing method
Direct thermal printing

Resolution
325 dpi

Gradation
256 levels processing

Picture size standard
Digital: 200 x 150 mm (7 7/8 x 6 inches)
NTSC: 188 x 143 mm (7 1/2 x 5 3/4 inches)
PAL: 188 x 140 mm (7 1/2 x 5 5/8 inches)

Maximum print pixels: side
Digital: 3414 x 2560 dots
NTSC: 1280 x 508 dots
PAL: 1280 x 612 dots

Maximum print memory
Digital: Approx. 70 Mbit (Single frame)
NTSC: Approx. 31 Mbit (6 frames)
PAL: Approx. 38 Mbit (6 frames)

Printing Time
Approx. 8 seconds / image at standard mode printing

Printer driver software
Microsoft Windows 2000, XP

Interface
Digital: Hi-Speed USB
Analogue: Video

Power consumption
100 to 120 V AC: 2.4A, 220 to 240 V AC: 1.3A

Power requirements
AC 100 to 120 V, AC 220 to 240 V 50/60 Hz

Mass
Approx. 8 kg (17 lb 10 oz)

Safety standards
UL60950-1, CSA C22.2 No.60950-1, EN60950-1, CB/01792 Class B, EN60601-3-2, IC60601-1-2, IC60950-1, IC60601-1, IC60950-1, IEC60950-1, IEC60601-1-2, VCCI Class A + mains harmonic current regulation

Emc
FCC/IC Class A Digital Device, EN55022 Class B, EN55024, EN61000-3-2/3-3, EN60601-1-2, VCCI Class A + mains harmonic current regulation

Supplied accessories
Head cleaning sheets (1), UPP-210HD High density printing paper (1), BNC cable (1), USB cable (1), Operation guide (Getting Started) (1), CD-ROM (Instruction for use, driver software) (1), Media label (1), Software License Agreement (1)

Print Media

UP-210HD
High Density Print Media

UP-210SE
High Quality Print Media

UPT-210BL
Blue Transparent Film

Optional Accessory

RM-91
Remote Control Unit

Dimensions

W 316mm (12 1/2 inches)
H 132.5mm (5 1/4 inches)
D 305mm (12 1/8 inches)

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www.sonybiz.net/healthcare
Replacing the popular UP-960 and UP-980 models, the full-page UP-970AD and UP-990AD offer improved resolution of 325 dpi for superb image quality and faster print speed of approximately 8 seconds. The UP-990AD’s optional blue transparency media produces high quality film-like transparencies. These and other printer features make the UP-970AD and UP-990AD ideal for medical black and white applications such as ultrasound, mobile C-arm and cardiac cath lab.

The UP-970AD and UP-990AD are unique hybrid black and white graphic printers that support both analogue and digital applications. This dual compatibility is especially critical as imaging systems make the transition from analogue to digital technology.

Features

Both analogue and digital signal inputs
The UP-970AD/990AD can receive both analogue and digital signals, allowing them to support both types of C-arm system. This makes them ideal for today’s transitional stage from analogue to digital C-arm applications.

Superb print quality
Incorporating Sony direct thermal-printing technology, the UP-970AD and UP-990AD provide photo-like prints with a high resolution of approximately 325 dpi – double the density of the predecessor models, UP-960/980.

High-speed printing
The UP-970AD and UP-990AD offer an impressive printing time of approximately 8 seconds* per page, making them ideal for time-critical medical applications.

Compact design
The UP-970AD and UP-990AD have a compact design with dimensions of approximately 316 (W) x 132.5 (H) x 305 (D) mm (12 1⁄2 x 5 1⁄4 x 12 1⁄8 inches), which is exactly the same size as predecessor models. This compact body enables them to fit easily into mobile C-arm carts.

Superior operability
All the operation keys are located on the front panel. This front operation offers easy set-up and flexible maintenance when the printer is installed on a cart. In addition, a volume knob on the front panel allows easy adjustment of both contrast and brightness.

Blue transparent film (UP-990AD)

With the UP-990AD, images can also be printed on blue transparent film, which can then be used as reference images for the diagnostics.

Automatic media-cutting function (UP-990AD)
When printing has finished on the UP-990AD, the printed paper or film is automatically cut by the media-cutting function.

Multiple print modes
As well as printing out a single image, the UP-970AD and UP-990AD can also provide two, four, and six split images in one sheet.

UP-970AD
UP-990AD

Application Examples

Printer for C-arm System

Printer for Ultrasound