UP-971AD / UP-991AD

The UP-971AD and UP-991AD are unique hybrid black and white graphic printers that support both analog and digital applications. This dual compatibility is especially critical as imaging systems make the transition from analog to digital technology. The full-page UP-971AD and UP-991AD offer resolution of 325 DPI for superb image quality and faster print speed of approximately 8 seconds. The UP-991AD's optional blue transparency media produces high quality film-like transparencies. As an extra convenience the UP-971AD and 991AD uses the same media as the predecessor model — UPP-210HD and UPP-210SE. These and other printer features make the UP-971AD and UP-991AD ideal for medical black and white applications such as ultrasound, mobile c-arm, and cardiac cath lab.

UP-971AD

Hybrid
Graphic Printer

UP-991AD

Features:

- Analog video and digital USB 2.0 interfaces

- Fast print speed of approximately 8 seconds

- Optional blue transparency film (UP-991AD only)

- Excellent print quality and contrast

- Front panel LCD display for easy operation

- Automatic detection of paper or film (991AD Only)

- Multiple images per sheet capability (two, four, six)

- Fully automatic media cutter (991AD Only)

- Compact design for easy integration into cart-based imaging systems

- Worldwide power supply and video signal compatibility

Paper & Film	15.7 lb	325 DPI	256 gradation steps	8 secs per print	USB 2.0 interface

UP-971AD / UP-991AD Specifications

Dimensions (W x H x D)	12 1/2in x 5 1/4in x 10 1/2in (316mm x 132.5mm x 265mm)
Weight	15lb 7oz (7kg)

Print information	Digital Connection	Analog Connection
Print technology	Direct Thermal Printing	
Resolution	325 DPI	
Gradations	8 bits (256 levels)	
Picture elements	7680 x 2560 dots	720 x 504 (NTSC), 720 x 604 (PAL)
Picture area	23 5/8 x 7 7/8in 600 x 200mm	STD: 182 x 144mm (NTSC), 188 x 140mm (PAL) SIDE: 244 x 184mm (NTSC), 244 x 183mm (PAL)
Print time	8 seconds approximately	8 seconds approximately
Memory	2816 x 7680 x 8 bit	6 frames (720 x 608 x 8 bit for one frame)
Printer driver	Windows XP 32/64 bit Vista 32/64 bit Windows 7 32/64 bit Windows 8 32/64 bit	N/A

Interface		
Interface Built-in image capture	Input: High speed USB (USB 2.0)*	**Input connector:** VIDEO IN (BNC type) NTSC or PAL composite video signals 1.0 Vp-p, 75 ohms/high-impedance (NTSC/PAL automatically discriminated) **Output connector:** VIDEO OUT (BNC type) NTSC or PAL composite video signals 1.0 Vp-p, 75 ohm loop-through **Remote connector:** stereo mini jack

*USB (type A) port to store pictures to a plugged in USB flash drive (Only UP-991AD)

Power information	
Power requirements	100 to 240V AC, 50/60Hz
Input current (Stand by)	2.9A to 1.2A (0.04A to 0.08A)

Operating conditions	
Temperature	41°F to 95°F / 5°C to 35°C
Humidity	20% to 80% (noncondensing)

Storage and Transport	
Temperature	-4°F to +140°F / -20°C to +60°C
Humidity	20% ~ 80%

Standards	
Safety	(US) UL 60950-1, 60601-1, ANSI/AAMI ES60601-1 CSA C22.2 No.60950-1, No.601.1, No. 60601-1
EMC	FCC Part 15 Subpart-B Digital Device Class A

Accessories	
Supplied	(1) Thermal Head Cleaning sheet, (1) CD-ROM (Operating instructions, Printer driver), (1) "Before using this printer", (1) Service contact list, (1) Starter pack UPP-210HD, (1) AC cord
Optional	RM-91 Remote Thumb button

UP-991AD Rear Panel

Print Media

UPP-210HD
High Density Black & White Media

UPP-210SE
Standard Black & White Media

UPT-210BL
Blue Thermal Transparency Film

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