

# 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.



# 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 [	OPI .
Gradations	8 bits (25	6 levels)
Picture elements	7680 x 2560 dots	720 x 504 (NTSC), 720 x 604 (PAL)
Picture area	23 5/8 x 7 7/8in	STD: 182 x 144mm (NTSC), 188 x 140mm (PAL)
	600 x 200mm	SIDE: 244 x 184mm (NTSC), 244 x 183mm (PAL)
Print time	8 seconds	8 seconds
	approximately	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	N/A
	Vista 32/64 bit	
	Windows 7 32/64 bit	
	Windows 8 32/64 bit	

Input: High speed

USB (USB 2.0)\*

## **UP-991AD Rear Panel**



#### **Print Media**



#### UPP-210HD

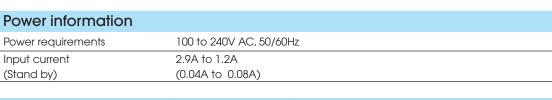
High Density Black & White Media

#### UPP-210SE

Standard Black & White Media

#### UPT-210BL

Blue Thermal Transparency Film



# Operating conditions

Interface

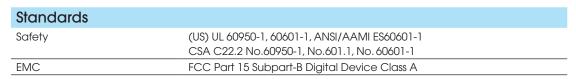
Built-in image capture

Interface

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%	



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





**SYNERGY** medical inc 8069 mexico rd st. peters, mo 63376

For US Sales

office: 636.928.2800

email: info@synergymedco.com

www.synergymedco.com

©2014 Sony Electronics Inc. All rights reserved. Reproduction in whole or in part without written permission is prohibited. All non-metric weights and measurements are approximate. Features and specifications are subject to change without notice. Sony is a trademarks of Sony. All other trademarks are trademarks of their respective owners.

Input connector: VIDEO IN (BNC type) NTSC or

(NTSC/PAL automatically discriminated)

**Output connector:** VIDEO OUT (BNC type) NTSC or PAL composite video signals

PAL composite video signals 1.0 Vp-p, 75 ohms/high-impedance

1.0 Vp-p, 75 ohm loop-through

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

Remote connector: stereo mini jack