

# SONY®

Digital Film Imager

## UP-D72XR





The Sony UP-D72XR is a compact, high-speed, high-resolution digital-film imager designed for use with X-ray diagnostic systems, such as mobile c-arm units and dental X-ray systems.

Supporting both 8 x 10 inch Blue Thermal Film and Thermal Printing Paper, it offers photo-quality film and prints with 512-step grayscale. Its use of Sony dry-processing technology means it is also extremely environmentally-friendly.

By using its USB connectivity and compatible printer driver software, it can be used conveniently under the generic Microsoft® Windows® operating system environment. Additionally, the FilmLink feature enables you to utilize the printer for reference image printing by connecting it to the Sony Film Station.

This flexible connectivity can provide you with simultaneous reference and diagnostic printing. With a variety of other convenient features packed into its compact body, the UP-D72XR is ideal for use in a wide range of medical applications.

## FEATURES

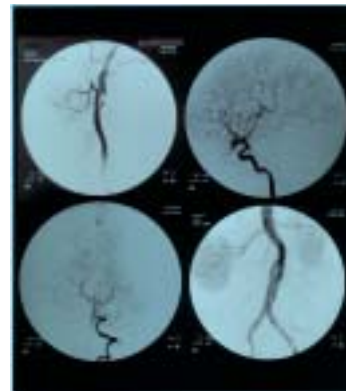
### Superior Image Reproduction

The UP-D72XR incorporates Sony direct thermal-printing technology, which enables photo-quality prints to be reproduced with a high resolution of approximately 300 dpi. The imager also offers support for both 8 x 10 inch Blue Thermal Film and Thermal Printing Paper, making it suitable for a variety of applications.

### Blue Thermal Film

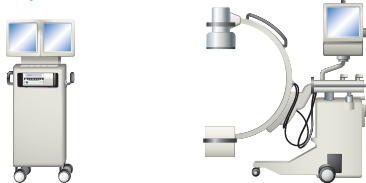
The UPT-735BL Blue Thermal Film allows X-ray images to be reproduced extremely clearly, with an optical density of 3.0, equivalent to conventional silver-halide X-ray film. To prevent interference in your analysis of the X-ray image, this film also offers a haze level of approximately 25%\*.

\* Transparency is measured with a haze meter.

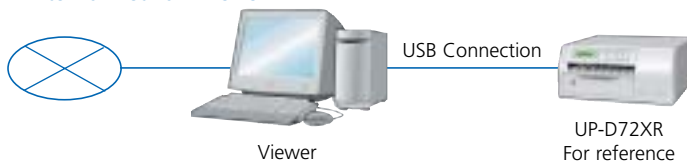


### The UP-D72XR Application Examples

#### Printer for C-arm on Cart System



#### Printer for Network Viewer



#### Connection to DICOM Network



### Thermal Printing Paper

The UPP-725 Thermal Printing Paper offers superior quality monochrome image reproduction, for clear viewing of the X-ray image.



## Supports High-speed Data Interfaces

The UP-D72XR is equipped with a USB connector and a parallel interface\* (IEEE 1284), both of which allow data to be transferred to it at high speed from external devices.

Additionally, the feature enables FilmLink connectivity to your DICOM network.

\* Supported in ECP (Extended Capabilities Port), Compatible-Nibble and Compatible modes.

## High-speed Printing

Ideal for time-critical medical applications, the UP-D72XR offers an impressive printout time of just 40 seconds for an 8 x 10 inch image.

## Precise Gamma Curve Adjustment

The UP-D72XR recognizes the type of media being used either Blue Thermal Film or Thermal Printing Paper and automatically adjusts the gamma curve as appropriate to reproduce a precise grayscale.

## Front-Loading Operation

The UP-D72XR has been designed for easy operation and maintenance. All-important controls are on the front panel. An easy to read LCD display is also located on the front panel making the user aware of all printing functions.

## Secure Locking System

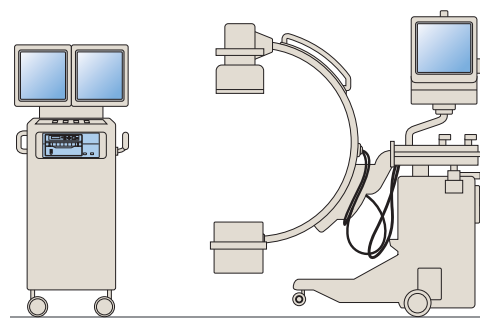
The newly designed secure paper tray lock system is built for the mobile market in mind. This system ensures that the paper tray will remain locked during movement.

## Environmentally Friendly

The UP-D72XR is based on Sony dry-processing technology, which means the print media use no liquid chemicals or heavy metals such as silver. This frees you from the hassle of disposing of chemical waste.

## Compact and Lightweight Design

With dimensions of just 412 x 210 x 431 mm (16 1/4 x 8 3/8 x 17 inches) and a light weight of only 15.5 kg (34 lb 3 oz), and no unnecessary top and side projection ports, the UP-D72XR can be easily mounted on a mobile c-arm unit.



## Worldwide Power Supply

The UP-D72XR is suitable for use all around the world because it can operate with AC 100 V to 120 V and AC 220 V to 240 V power supplies.

## Detachable Dust Filter

To prevent the cooling fan from drawing dust into the imager, the UP-D72XR features a detachable dust filter. This avoids such problems as white spots appearing in image printouts.

## Easy Media Availability Checking

The unit is equipped with a small media window on the paper tray, that enables you to check the amount of film or paper still available without actually opening the paper tray.



## SPECIFICATIONS

UP-D72XR	
Printing Method	Direct Thermal Printing
Resolution	300 dpi
Gradation	512 gray levels
Effective Print Pixels	2743 x 2320 dots
Print Area	232.2 x 196.4 mm (9 1/4 x 7 3/4 inches)
Printing Time	Approx. 40 seconds
Memory	16 MB
Interface	Parallel IEEE1284 ECP Mode x 1, USB connector* x 1
Paper Tray Capacity	100 sheets (max)
Power Consumption	Standby: 12.6 W (actual measurement) Black printing: 190 W (actual measurement) Max: 270W
Power Requirements	AC 100 to 120 V, AC 220 to 240 V 50/60 Hz
Dimensions (W x H x D)	412 x 210 x 431 mm (16 1/4 x 8 3/8 x 17 inches)
Mass:	Approx. 15.5 kg (34 lb 3 oz)
Operating Temperature	10 °C to 30 °C (50 °F to 86 °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 90% (no condensation allowed)
Safety Standards	UL60950-1, CSA C22.2No.60950.1 UL60601-1, CSA C22.2No.60601.1, EN60950-1, EN60601-1, EN60601-1-2, EN60950-1/IEC60950-1, EN55022, EN55024, EN61000-3-2, EN61000-3-3, AS3548, GB4943 (IEC60950), GB9254 (CISPR22), GB17625.1 (IEC61000-3-2)
Supplied Accessories	Paper tray (1), Thermal Head Cleaning Kit (1), Cleaning Sheets (2), Tray guide cover (1), AC power cord** (1), Connection cable (1), Floppy disk (1), Operation guide (1), CD-ROM (operation manual) (1), Warranty card (1) (for customers in the U.S.A and Canada)

\* This connector is shared with FilmLink connection.  
When you use this connector as USB, service modification is required. For more details, please contact your nearest Sony office.

\* When you use the printer in the U.S.A. or Canada, use the AC power cord supplied. Customers in other countries should use an appropriate AC power cord for your local power system.



Rear Panel

## OPTIONAL ACCESSORIES



### UPT-735BL

Blue Thermal Film Printing Pack  
Contents: 100 sheets of print film



### UPP-725

Thermal Paper Printing Pack  
Contents: 100 sheets of print paper

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