

SONY®

DICOM Digital Imager

UP-D74XRD



UP-D74XRD



Sony is proud to introduce the UP-D74XRD, which is a compact digital-film imager to print reference images from X-ray diagnostic, CT and MRI 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.

The UP-D74XRD incorporates a DICOM and USB interface, which are manually selectable from the front panel. In recent years, DICOM technology has become increasingly important in radiology network systems, and most of the picture data handled within hospital network environments today is in DICOM format. Also, the DICOM interface allows for connectivity to other systems, such as PACS and HIS (hospital information system).

This affordable DICOM digital imager is the optimum solution for printing reference images, and is particularly suitable for low-cost entry-level systems such as X-ray, CT and MRI.

With a variety of other convenient features packed into its compact body, the UP-D74XRD is ideal for use in a wide range of medical applications.

FEATURES

► Superior Image Reproduction

The UP-D74XRD 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.

Newly Developed Blue Thermal Film

The UPT-736BL Blue Thermal Film, which has been newly developed for the UP-D74XRD, allows X-ray images to be reproduced extremely clearly. It has an optical density of 3.0, which is equivalent to conventional silver-halide X-ray film. To prevent interference in your analysis of the X-ray image, this film also offers a minimum/maximum density level (0.2/3.2).



Thermal Printing Paper

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



► Supports DICOM and High-Speed USB (USB 2.0) Interfaces

The UP-D74XRD is equipped with a DICOM interface and a USB interface, both of which allow data to be transferred to it at high speed from external devices. Both interfaces are manually selectable from the menu window on the front panel.



► High-speed Printing

Ideal for time-critical medical applications, the UP-D74XRD offers an impressive printout time of approx. 40 seconds for an 8 x 10 inch image.

► Changeable Gamma Curve Settings

The UP-D74XRD can save five gamma curves including four changeable gamma curves for each Blue Thermal Film and Thermal Printing Paper media. In total ten gamma curves can be saved. This enables users to reproduce the exact grayscale contrast that they need. These gamma curves are retrieved automatically from the different modalities connected to the imager.

► Front-loading Operation

The UP-D74XRD has been designed for easy operation and maintenance. All of the important controls are located on the front panel along with an easy-to-read LCD display that allows the user to see what printing functions are available.

► Environmentally Friendly

The UP-D74XRD 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

The UP-D74XRD has dimensions of just 412 x 210 x 431 mm (16 3/8 x 8 3/8 x 17 inches) and a light weight of only 16 kg (35 lb 4 oz). The compact body, which has no protrusions allows the UP-D74XRD to be installed in even the tightest spaces.

► Worldwide Power Supply

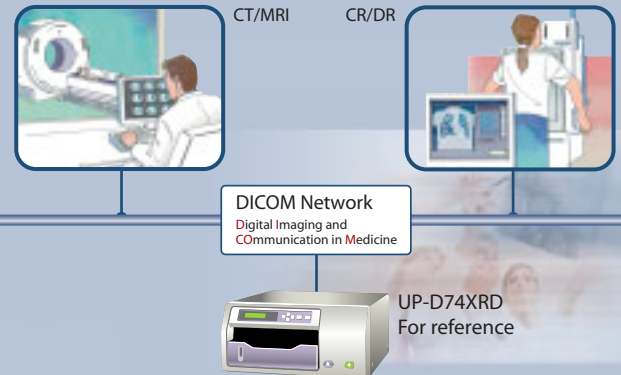
The UP-D74XRD is suitable for use all around the world because it can operate with AC 100 V to 240 V power supplies.

► Easy Media Availability Checking

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

The UP-D74XRD Application Examples

Connection to DICOM Network



Printer for Network Viewer



SPECIFICATIONS

UP-D74XRD	
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	DICOM (RJ-45 modular jack) x 1 or Hi-Speed USB (USB2.0) x 1 switchable
Paper Tray Capacity	100 sheets (max)
Input Current	3.5 to 1.5 A
Power Requirements	AC 100 to 240 V 50/60 Hz
Dimensions (W x H x D)	412 x 210 x 431 mm (16 3/8 x 8 3/8 x 17 inches)
Mass:	Approx. 16 kg (35 lb 4 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 80% (no condensation allowed)
Safety Standards	UL/cUL60950-1, UL/cUL60601-1, FCC/IC Digital Device Class A EN60950-1, EN60601-1+EN60601-1-2, EN55022 Class B + EN55024 + EN61000-3-2 + EN61000-3-3, AS/NZS CISPR22 Class B, IEC60950-1, IEC60601-1
Supplied Accessories	Paper tray (1), Thermal head cleaning kit (1), Tray guide cover (1), Cleaning Sheets (2), USB cable (1), CD-ROM (Printer driver & Instruction for use) (1), Before Using this Printer (1)

Printing Paper / Film



UPT-736BL

Blue Thermal Film

Size: 8 x 10 inch size

Contents: 100 sheets of print film



UPP-725

Thermal Printing Paper

Size: 8 x 10 inch size

Contents: 100 sheets of print paper



Rear Panel

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