



SONY

UP-D74XRD

DICOM Digital Imager

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- **Supports both 8x10inch**
Blue Thermal Film and Thermal Printing Paper.
- **Delivers photo-quality**
film and paper prints with 512-step grayscale.
- **Ensures minimal environmental impact**
through Sony dry-processing technology.
- **Provides the optimum solution** for printing high-end reference images, particularly for digital X-ray, CT and MRI.
- **Incorporates both DICOM and USB interfaces** – manually selectable from the front panel – reflecting the increasing importance of DICOM technology in today's radiology network systems and the fact that most picture data handled within hospital network environments uses the DICOM format. Therefore it is the ideal choice for peer-to-peer or networked applications.
- **DICOM interface allows** unlimited connectivity to other systems, including PACS and HIS (hospital information system).
- **Ideal** for use in a wide range of medical applications.

Innovation that reveals the inside view.

When the pioneering physicist Wilhelm Röntgen discovered X-rays in 1895, the equipment he used included a homemade cardboard cover.

Today, Sony's innovative **UP-D74XRD** is a highly compact, versatile digital-film imager that is purpose-built to deliver high-end reference hardcopies from X-ray diagnostic, CT and MRI systems.



UP-D74XRD

Superior Image Reproduction

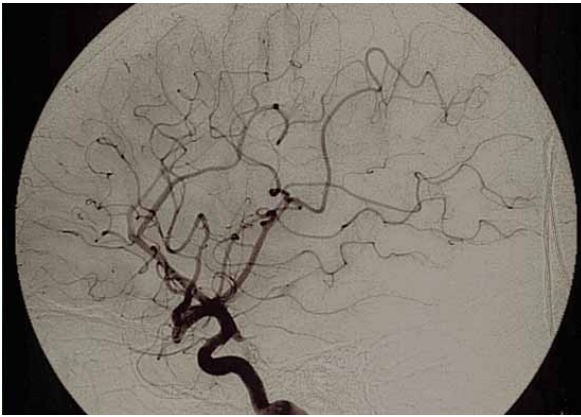
The UP-D74XRD incorporates Sony direct thermal-printing technology, which enables photo-quality prints to be reproduced with a high resolution of approximately 300 dpi. The imager also offers support for both 8 x 10 inch Blue Thermal Film and Thermal Printing Paper, making it suitable for a variety of 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

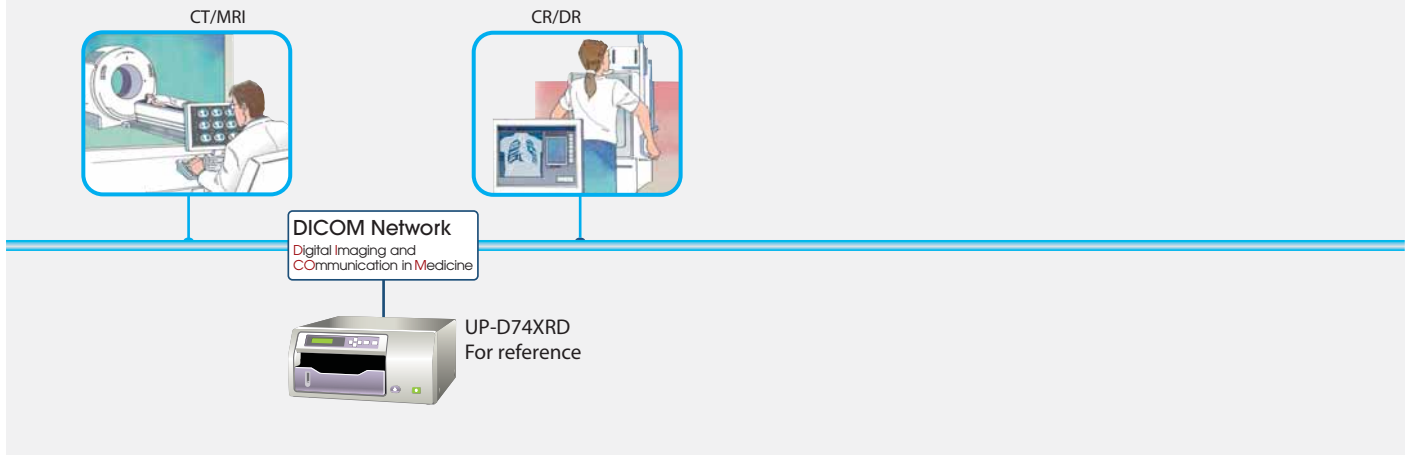
The UP-D74XRD is based on Sony dry-processing technology, which means the print media use no liquid chemicals or heavy metals such as silver. This frees you from the hassle of disposing of chemical waste.

Compact and Lightweight Design

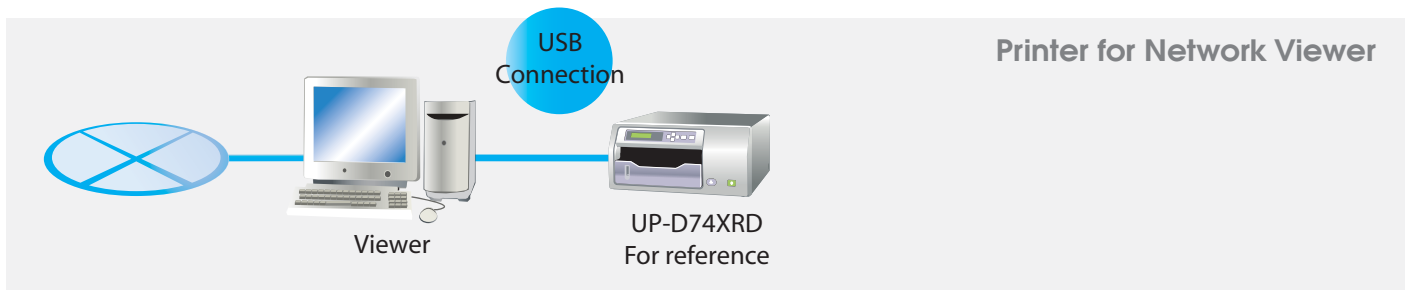
The UP-D74XRD has dimensions of just 412 x 210 x 431 mm (16 3/8 x 8 3/8 x 17 inches) and a light weight of only 16 kg (35 lb 4 oz). The compact body, which has no protrusions allows the UP-D74XRD to be installed in even the tightest spaces.

The UP-D74XRD Application Examples

Connection to DICOM Network



Printer for Network Viewer



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 media tray, which enables you to check the amount of film or paper still available without actually opening the paper tray.



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

Find out more

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