



UP-D74XRD

DICOM/USB Digital Imager



The UP-D74XRD is a compact and high-quality digital-film imager designed for use with X-ray systems, CT/MRI system. It is equipped with DICOM interface and it supports both 8 x 10 inch Blue Thermal Film and Thermal Printing Paper.

Features

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.

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).

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.

Compact and Lightweight Design

The UP-D74XRD has dimensions of just 412 x 210 x 431mm (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.

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.

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.

Benefits

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

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Thermal Printing Paper

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

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.

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.

Technical Specifications

Printing Method	Direct Thermal Printing
Resolution	300 dpi
Gradation	512 grey levels
Effective Print Pixels	2743 x 2320 dots
Print Area	232.2 x 196.4 mm
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
Print media tray capacity	100 sheets (max.)
Power requirements	AC 100 to 240 V 50/60 Hz
Dimensions	412 x 210 x 431 mm (16 3/8 x 8 3/8 x 17 inches)
Mass	16 kg (35 lb 4 oz)
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

CD-ROM (Printer drivers (USB, IEEE1284) for Windows NT, Windows 2000 and Windows XP, Instruction manual)
 Software license agreement
 Warranty card
 Operation guide
 AC power cord
 Tray guide cover
 Cleaning sheets (2)
 Thermal head cleaning kit
 Detachable dust filter
 Print media tray