



## ***Fujifilm Digital Pediatric Imaging System***

*Advanced digital solution for neonatal and pediatric imaging.*



"Image Intelligence™" is a set of sophisticated digital image-processing software technologies that are incorporated in the products of the Fujifilm Digital Pediatric Imaging System.

# Fujifilm offers a solution for gentle pediatric imaging supported by extensive technological expertise

Fujifilm has been a world leader in delivering state-of-the-art X-ray digital solutions supported by Fujifilm's extensive imaging technology accumulated over more than 70 years of R&D.

Today, the company prides in delivering the highest quality pediatric and neonatal X-ray imaging made possible with Dual-Side Reading Technology and IP (Imaging Plate) ST-BD.

The results are clearer imaging and finer contrast whether it is to capture chest disease or to observe the progress of a disease affecting premature infants and neonates.

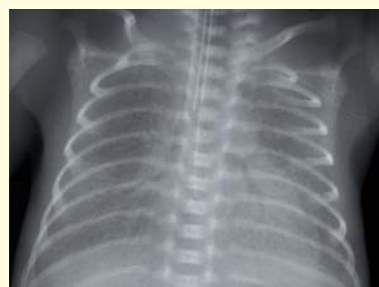
Another advantage of the system is that clearer images are now possible with less exposure dose.

Therefore, this tool contributes to patient-friendliness as well, in the case of diseases and diagnoses that require frequent X-ray examination.

## Clinically Useful in Confirming Fine Structures

With this RDS\* case, image graininess has been greatly reduced with ST-BD. Different processing is available for easy verification of a thin catheter.

\*Respiratory Distress Syndrome



ST-BD



ST-BD (Processing for Catheter)



## Prospect to Reduce Exposure Dosage

For pediatric imaging, when comparing ST-BD and ST-VI images of chronic lung disease, the images of ST-BD provided clear contrast of the peripheral vessels and bronchi with 30% less radiation than ST-VI.



ST-BD (30% dose reduced)



ST-VI

New



### IP ST-BD

• Standard Dual-Side imaging plate



### IP cassette DS

• Cassette for IP ST-BD

New



### FCR PROTECT ONE

Compact design with 1-cassette stacker promising superb resolution for mammography, as well as pediatric and neonatal radiography. Delivering seamless and smooth workflow with superior operability.



### FCR PROTECT CS

A next-generation FCR reader offering image quality optimized to satisfy the most demanding applications. Features like processing capacity sufficient to cover multiple mammography rooms and 4-cassette stacker increase workflow efficiency and enhance departmental productivity.



### CR Console

A multi-function console that allows quality assurance activities, image processing, as well as all the complex procedures of digital X-ray imaging – patient ID, image preview, processing and printing, DICOM interface, etc. – at a single workstation.

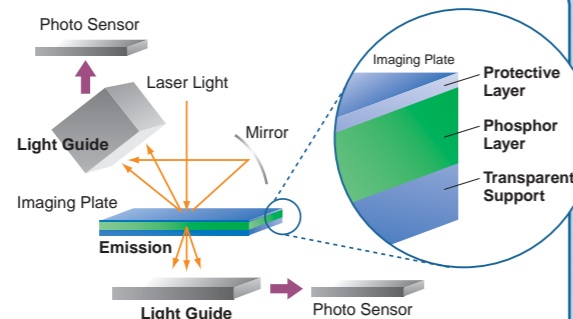


### DRYPIX 4000

Ideal imager for medium-size hospitals, combining proven reliability and convenience with ability to print 50-micron resolution, all in a compact body. A system that meets various needs including pediatrics, mammography, etc.

### Dual-Side Reading Technology

Dual-Side IP (Imaging Plate) Reading technology allows the use of a thicker phosphor layer on the IP and transparent base, thereby increasing DQE (Defective Quantum Efficiency) by collecting the emissions from both sides of the IP with optimal, spatial frequency-dependent factors.



# Fujifilm Digital Pediatric Imaging System Specifications

	FUJIFILM FCR PROPECT ONE	FUJIFILM FCR PROPECT CS
<b>Standard Components:</b>	<ul style="list-style-type: none"> <li>• FCR PROPECT ONE Image Reader (Model: CR-IR 368)</li> <li>• AC power cord</li> <li>• CR Console Plus (sold separately)</li> </ul>	<ul style="list-style-type: none"> <li>• FCR PROPECT CS Image Reader (Model: CR-IR 363)</li> <li>• AC power cord</li> <li>• CR Console Plus (sold separately)</li> </ul>
<b>Imaging Plate and Cassette:</b>	Imaging Plate: <ul style="list-style-type: none"> <li>• Type ST-BD for standard Dual-Side imaging: 18 x 24 cm, 24 x 30 cm</li> </ul> Cassette: <ul style="list-style-type: none"> <li>• Type DS with barcode on cassette: 18 x 24 cm, 24 x 30 cm</li> </ul>	Imaging Plate: <ul style="list-style-type: none"> <li>• Type ST-BD for standard Dual-Side imaging: 18 x 24 cm, 24 x 30 cm</li> </ul> Cassette: <ul style="list-style-type: none"> <li>• Type DS with barcode on cassette: 18 x 24 cm, 24 x 30 cm</li> </ul>
<b>Processing Capacity:</b>	Imaging Plate Cassette: <ul style="list-style-type: none"> <li>• Per hour processing capacity in high-pixel density, two-image output format: ST-BD 18 x 24 cm (48 IP), ST-BD 24 x 30 cm (42 IP)</li> <li>• Time to print on DRYPIX 7000 (18 x 24 cm ST-BD): 140 sec.</li> <li>• Time to display on CR Console (18 x 24 cm ST-BD): 50 sec.</li> </ul>	Imaging Plate Cassette: <ul style="list-style-type: none"> <li>• Per hour processing capacity in high-pixel density, two-image output format: ST-BD 18 x 24 cm (80 IP), ST-BD 24 x 30 cm (65 IP)</li> <li>• Time to print on DRYPIX 7000 (18 x 24 cm ST-BD): 140 sec.</li> <li>• Time to display on CR Console (18 x 24 cm ST-BD): 50 sec.</li> </ul>
<b>Number of Stackers:</b>	1	4
<b>Reading Gray Scale:</b>	12 bits	12 bits
<b>Dimensions (W x D x H):</b>	655 x 740 x 1330 mm (26" x 29" x 52")	655 x 740 x 1480 mm (26" x 29" x 58")
<b>Weight:</b>	240 kg (529 lbs.)	285 kg (628 lbs.)
<b>Power Supply Conditions:</b>	AC 120-240V ±10% (50-60Hz), Single phase 7A (max)	AC 120-240V ±10% (50-60Hz), Single phase 7A (max)



Classified Radiography  
WITH RESPECT TO ELECTRIC SHOCK, FIRE  
AND MECHANICAL HAZARDS ONLY  
IN ACCORDANCE WITH UL2601/CAN/CSA C22.2 NO.6011  
IEC 60601-1 33MK



	FUJIFILM Dry Laser Imager DRYPIX 4000
<b>Applicable Film:</b>	Fuji Medical Dry Imaging Film DI-HL (blue base) / DI-HLc (clear base) 35.6 x 43.2 cm (14" x 17"), 25.7 x 36.4 cm, 25.4 x 30.5 cm (10" x 12") or 20.3 x 25.4 cm (8" x 10")
<b>Film Trays:</b>	Up to 2
<b>Film Loading:</b>	Daylight film loading
<b>Processing Capacity (sheets per hour, standard or high resolution):</b>	110 (14" x 17"), 160 (25.7 x 36.4 cm), 160 (10" x 12"), 160 (8" x 10")
<b>Gray Scale Resolution:</b>	14 bits
<b>Pixel Size:</b>	100/50 microns is selectable for all sizes.
<b>Input Channels:</b>	DICOM network channel
<b>Image Memory:</b>	Standard 256MB (512MB optional)
<b>Density Adjustment:</b>	Automatic density correction
<b>Optional Sorter Bins:</b>	4 bins
<b>Dimensions (W x D x H):</b>	600 x 585 x 1040 mm (24" x 23" x 41")
<b>Weight:</b>	130 kg (287 lbs.)
<b>Power Supply:</b>	AC 200-240V (50-60Hz), Single phase 6A



Classified Medical Dry Laser Imager  
WITH RESPECT TO ELECTRIC SHOCK, FIRE  
AND MECHANICAL HAZARDS ONLY  
IN ACCORDANCE WITH UL2601/CAN/CSA C22.2 NO.6011  
IEC 60601-1 33MK



FUJI COMPUTED RADIOGRAPHY CR Console	
Quality assurance and patient ID workstation for FCR. <ul style="list-style-type: none"> <li>• Optional software: DICOM MWLM, DICOM MPPS, DICOM CR Storage SOP, DICOM Storage Commitment, DICOM MG Storage, DICOM Print, Electronic shutter, Image composition, MFP, PEM, GPR and others.</li> </ul>	

FCR PROPECT ONE and FCR PROPECT CS are not available for sale in the US market.  
Specifications and PC requirements are subject to change without notice.  
All brand names or trademarks are the property of their respective owners.



FUJI PHOTO FILM CO., LTD.

26-30, NISHIAZABU 2-CHOME, MINATO-KU, TOKYO 106-8620, JAPAN