FUJIFILM

FUJI COMPUTED RADIOGRAPHY

Upright Image Reader

FCR XU-D1

The upright CR system with everything you need

Flagship CR system sets standard for quality and speed

With 43 x 43cm dual-side imaging plates for extremely high-resolution acquisition and rapid throughput, the FCR XU-D1 provides optimal image quality and speed for the most demanding exam environments. The XU-D1 can also be connected to FCR Consoles equipped with ID entry and QA functions, significantly improving system operability, economic performance and DICOM compatibility. Optional CR Console software settings enable energy subtraction (ES) processing, which cleanly differentiates bone and soft tissue images for unprecedented diagnostic accuracy in chest exposures. New formats and technological innovations allow more effective use of energy subtraction processing in routine diagnosis. Multi-objective Frequency Processing enhances image quality as well as image-processing speed.

Specifications

FCR XU-D1 (Upright Image Reader)

Standard Components
FCR XU-D1 Upright Image Reader CR-IR348
CR Console (Image processing/ID registration/QA function)
Built-in IPs: 3
Power Cable

Other System Components
Image Recorder: FL-IM D, FM-DP3543, FM-DP2636, FM-DP L, DryPix 1000
FCR DMS

Supplies
Dual-side built-in type Fuji Imaging Plate (IP ST-55BD)
IP ST-55BDK H 1 E

Processing Capacity
(Standard processing; with the FL-IM D/FM-DP L connected)

IP Type	IPs processed/hour
17" x 17"	Approx. 118 IPs/hour
14" x 17"	Approx. 122 IPs/hour
14" x 14"	Approx. 141 IPs/hour
10" x 12"	Approx. 157 IPs/hour
8" x 10"	Approx. 174 IPs/hour

Total Processing Time
Direct print with connected FM-DP L is approx. 195 sec.
(26 x 36cm film output; 14" x 14" exposure size)

Exposure Size
17" x 17", 17" x 14", 14" x 17", 14" x 14", 10" x 12", 8" x 10", 18 x 43cm

Image Reading

Reading Size	Effective Reading Size (mm)	Standard Pixel-density		High Pixel-density	
		Spatial Resolution (pixels/mm)	Number of Pixels	Spatial Resolution (pixels/mm)	Number of Pixels
17" x 17"	428 x 428	5	2140 x 2140	10	4280 x 4280
17" x 14"	428 x 352	5	2140 x 1760	10	4280 x 3520
14" x 17"	352 x 428	5	1760 x 2140	10	3250 x 4280
14" x 14"	352 x 352	5	1760 x 1760	10	3520 x 3520
10" x 12"	250.5 x 301.5	6.7	1670 x 2010	10	2505 x 3015
8" x 10"	200 x 251	10	2000 x 2510	10	2000 x 2510
18 x 43cm	177 x 428	5	885 x 2140	10	1770 x 4280

Dimensions (W x D x H)
1,170 x 800 x 1,800mm

Weight
525kg

Power Supply Conditions
Single phase 50-60Hz
200V AC~±10%
7.2A

Environmental Conditions
Temperature: 15~30°C

Operative Conditions
Humidity: 40-80%RH (No dew condensation)

FCR CR Console Unit

Standard Components
FCR CR Console Unit
(For FCR plus series/XG-1/XU-D1)
Display Monitor (Touch panel LCD or full-color CRT)
AC Power Cord (200-240V)

Options
Local Print Interface
Magnetic Card Reader (for patient information)
Barcode Reader (For IP barcode scanning)
LCD Stand (Used to retain Touch Panel LCD)
Wall Bracket (Used to fasten Touch Panel LCD or Magnetic Card Reader to wall)
Serial Interface Board (RIS Interface)
DICOM Modality Worklist
DICOM CR Storage
MFP (Multi-objective Frequency Processing)
DICOM Print
Electronic Shutter
Various types of cables
Various optional software

FCR CR Console Unit Requirements
CPU: Pentium IV, 1GHZ or faster
Memory: 512MB or greater
HDD: E-IDE 40GB or greater
OS: Windows 2000 Professional (English)
Display Monitor:
    LCD: 15-inch LCD with touch panel (1024 x 768)
    CRT: 17-inch full-color CRT (1024 x 768)

Specifications and PC requirements are subject to change without notice.
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The FCR XU-D1 has received the UL/CE Marks for meeting high safety standards.