

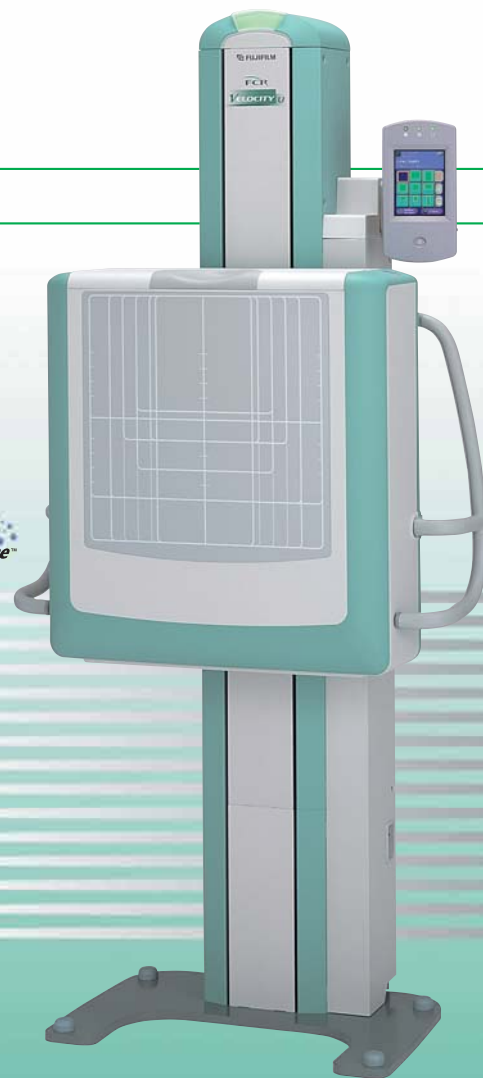
FUJIFILM

FCR VELOCITY U

FUJI COMPUTED RADIOGRAPHY

*Unequalled 240 IP/hr throughput in a compact,
user-friendly design*

Image
Intelligence™



FCR

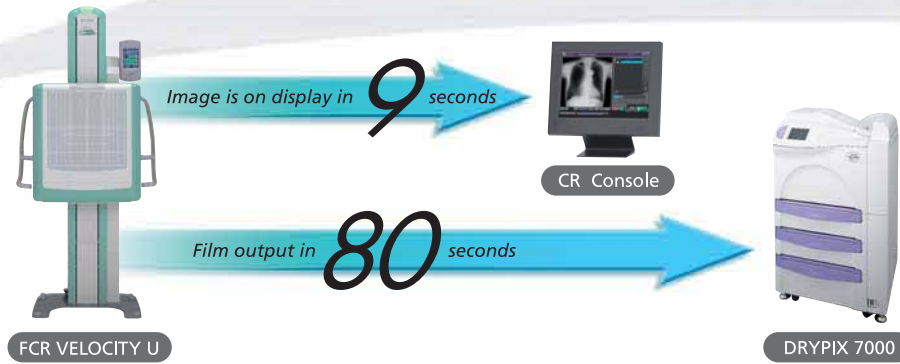
Speed, Quality & Convenience – all together now

VELOCITY U is simply the fastest FCR upright image reader ever. A mere two seconds after initial exposure, each digital image begins to display, attaining its consistently high final quality only seven seconds later. A Deviced Imaging Plate (IP) enables an industry-leading 240 IP/hour throughput speed, automatically and efficiently handling everything from X-ray exposure and image reading/processing, to data transfer into image recorder and hardcopy output. Such speed and capacity with no compromise on renowned FCR quality is made possible through newly developed HD LINESCAN technology that employs a large-sized CCD unit. Operator convenience and system versatility are better than ever, with a variety of user options such as patient support bar and exposure-ready indicator.

VELOCITY U

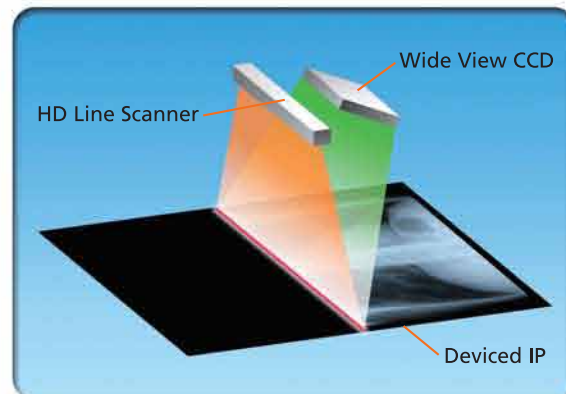
Unprecedented Speed

Processing up to 240 IP/hour at 10-pixel resolution, FCR VELOCITY U ensures immediate results for the operator and less waiting for the patient. High-quality images are quickly displayed on the CR Console less than 10 seconds after exposure, and are output to the DRYPIX printer only 70 seconds later.



Uncompromised Quality

FCR VELOCITY U image acquisition uses revolutionary new HD LINESCAN technology that employs a wide-view CCD and built-in Deviced IP, allowing the detector unit to be significantly slimmer than previous models, yet with increased IP durability and without sacrificing superb digital image quality.



Extended Detector Movement

FCR VELOCITY U offers greater versatility and ease of use, with detector-unit vertical movement ranging from a minimum of 470mm to a maximum of 1530mm. Lower extremity and seated examinations are as easy as standard chest X-rays. And locating grids on the front of the detector unit greatly facilitates their exchange.

User-friendly interface

Convenient name-checker display can be installed on either side of detector unit, clearly indicating patient name for quick and easy confirmation and minimized patient-data errors.

Image Processing options

FCR standard in image quality: *Image Intelligence™* Inside

"Image Intelligence™" is a set of sophisticated digital image-processing software technologies that are incorporated in the FCR VELOCITY U.



FNC

Flexible Noise Control

FNC selectively suppresses noise components while maintaining signal contrast, improving granularity in "noisy" anatomical regions.

MFP

Multiple Frequency Processing

MFP is an optional software that provides greater diagnostic information from a single exposure image through frequency enhancement. MFP improves visibility of both dense and peripheral tissue, simultaneously applying edge-enhancement processing to all structures in an image.

GPR

Grid Pattern Removal

GPR eliminates moiré patterns from CR images exposed using a stationary grid.

FUJIFILM FCR VELOCITY U SPECIFICATIONS

Standard Components (some items are sold separately):

- FCR VELOCITY U Upright Image Reader (Model: CR-IR 364)
- AC Power Cord
- Grid: 12:1, 10:1, 8:1 (density 36 grids/cm, focal distance 140cm or 180cm)

Other System Components:

- CR Console Plus (sold separately)
- Image Recorder : FL-IMD, FM-DP L, DRYPIX 1000/3000/7000

Reading Sizes (reference):

17" x 17" (43 x 43cm), 14" x 17" (35 x 43cm), 17" x 14" (43 x 35cm), 14" x 14" (35 x 35cm) 10" x 12" (25 x 30cm), 12" x 10" (30 x 25cm), 8" x 10" (20 x 25cm), 10" x 8" (25 x 20cm), 18 x 43cm.

Processing Capacity (in the high-pixel density two-image output format):

When connected to DRYPIX 7000/CR Console Plus

Approx. 240 IPs/hour*

* When operating environment is 25°C, and maximum x-ray amount for the device IP is 12mR.
This figure will vary when temperature and x-ray amount differ.

Time Interval Required Between Exposures:

10 seconds (varies depending on condition)

Time to print on DRYPIX 7000 (14" x 17"):

80 seconds

Time To Display On CR Console:

9 seconds

Reading Gray Scale:

12 bits

Network:

10 Base T/100 Base T

Dimensions (W x D x H):

- Upright Image Reader: 645 x 450 x 1830mm (25" x 18" x 72")
- Control Unit: 230 x 550 x 470mm (9" x 22" x 19")

Weight:

Upright Image Reader: 220kg (485lbs.)
Control Unit: 22kg (49lbs.)

Power Supply Conditions:

Single phase 50-60Hz
200/220/230/240V ±10%
5.0/4.5/4.3/4.1A

Environmental Conditions:

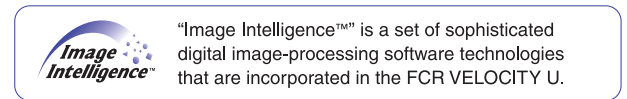
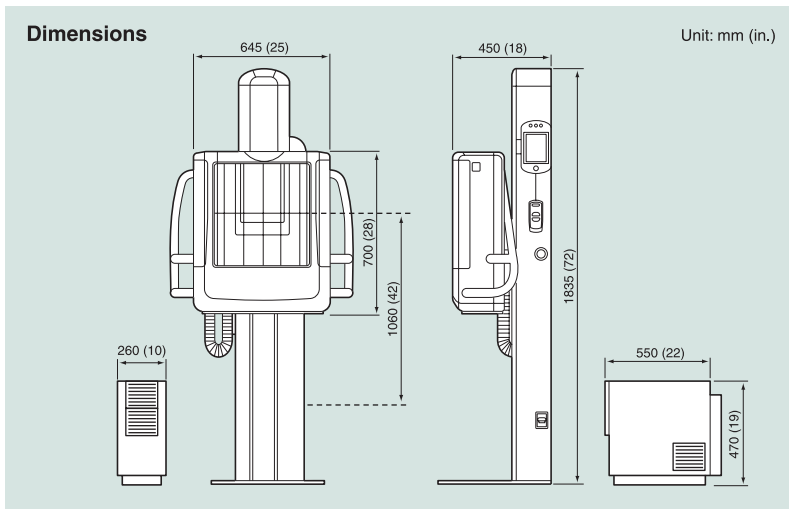
- Operating Conditions:
Temperature: 15-30°C
Humidity: 40-80%RH (No dew condensation)
- Non-operating Conditions:
Temperature: 0-45°C
Humidity: 10-90%RH (No dew condensation)

Image Reading

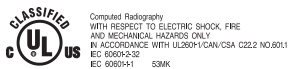
Reading Sampling Rate

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

Images are read at the rate of 12pixels/mm and image densities listed in the table are applied respectively for each image size when output from the CR Console.



Specifications and PC requirements are subject to change without notice.
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