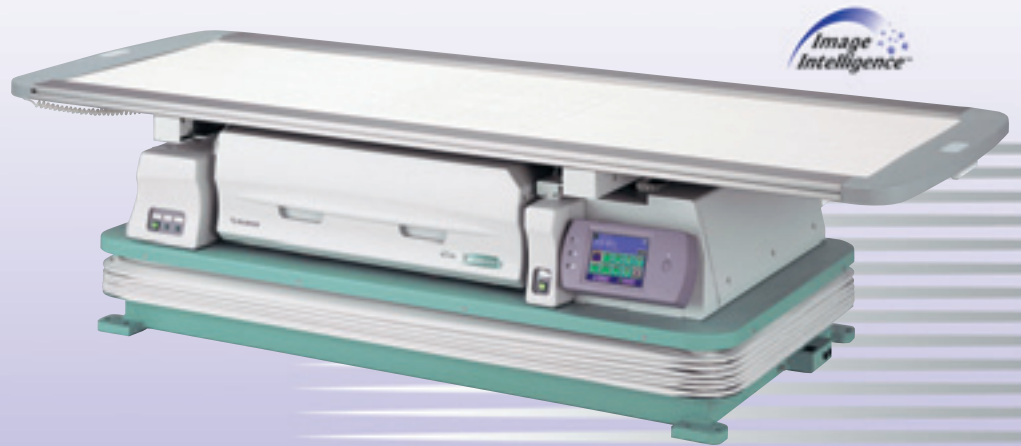


# FCR *VELOCITY* T

FUJI COMPUTED RADIOGRAPHY

*Superb image quality, with compact,  
table-type convenience.*



# FCR

## HD LINESCAN Technology in a fully adjustable table create the complete work environment.

The VELOCITY T is the ideal choice for digital supine-position examinations. Patients as well as operators will appreciate the versatile tabletop, which adjusts vertically to ease mounting and dismounting, and horizontally to optimize exposure position. Quality has been further enhanced with the adoption of HD LINESCAN technology. Workflow is easier than ever, too, with a variety of user options such as adjustable and exposure ready indicator.

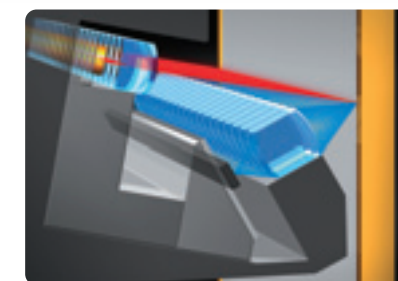


### User Friendly Interface

Convenient name-checker display located next to the detector unit clearly indicates patient name for quick and easy confirmation and minimized patient-data errors.

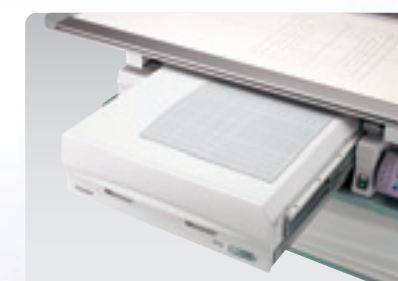
## HD LINESCAN Technology

FCR VELOCITY T image acquisition uses revolutionary new HD LINESCAN technology employing a wide-view CCD and built-in Deviced IP. The detector unit is significantly slimmer than previous models, yet with increased throughput without sacrificing image quality.



## Exposure Flexibility

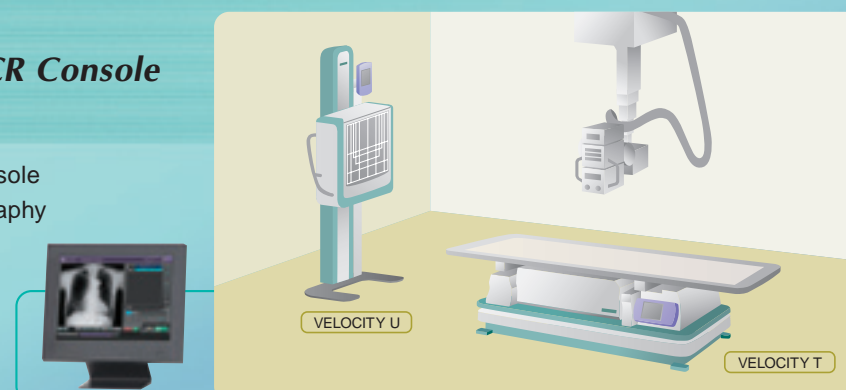
The VELOCITY T makes it possible to pull the exposure out from under the tabletop enabling exposure of upper and lower extremity bones that used to require the use of a cassette. Indicator lamps positioned on both sides of the table top for easy confirmation of x-ray and equipment condition can be checked from outside the x-ray exposure room for distinction of the unit's readiness. The VELOCITY T can handle sizes up to 43 x 43cm (17" x 17") and provides support for horizontal exposures in 10" x 12" and 8" x 10" sizes.



### "Digital Suite" – VELOCITY T, VELOCITY U and CR Console for further flexibility

VELOCITY T and VELOCITY U plus CR Console "Digital Suite" expand flexibility in the radiography room with the dual capability of reading. Exposure data can be received from x-ray controller\*.

\*Validated x-ray controllers.



### 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 T.



#### 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.

Image processing options are available for installing on CR Console. More options are available and for details, please check with local Fujifilm representative.

# FUJIFILM FCR VELOCITY T SPECIFICATIONS

## Standard Components (some items are sold separately):

- FCR VELOCITY T Table-type Image Reader (CR-IR 364 T)
- AC Power Cord
- Grid: 12:1, 10:1, 8:1 (density 36 grids/cm, focal distance 100cm)

## Other System Components:

- CR Console Plus (sold separately)
- Image Recorder: 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:

Approx. 140 IPs / hour.

Achieved under the following exposure combination:

Lumber Spine (Front/Lateral) 40%, Abdomen (Spine) 20%, Upper and Lower  
Extremity Bones 40%.

**Note:** processing capacity varies depending on the maximum amount of X-ray exposure  
dose reaching the built-in IP inside VELOCITY T.

## Reading Gray Scale:

12 bits

## Network:

10 Base T/100 Base T

## Dimensions:

- Table Top Size: 2100mm x 815mm (82.7" x 32.1")
- Table Height: 500 to 900mm (19.7" to 35.4")
- Control Unit (W x D x H): 260 x 550 x 470mm (10.2" x 21.7" x 18.5")

## Weight:

Table-type Image Reader: 390kg (860lbs.)  
Control Unit: 21kg (46lbs.)

## Power Supply Conditions:

Single phase 50-60Hz  
200/220/230/240V ±10%  
Approx. 1KVA

## 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

(1) Reading gray scale 12 bit/pixel  
Output gray scale 10 bit/pixel

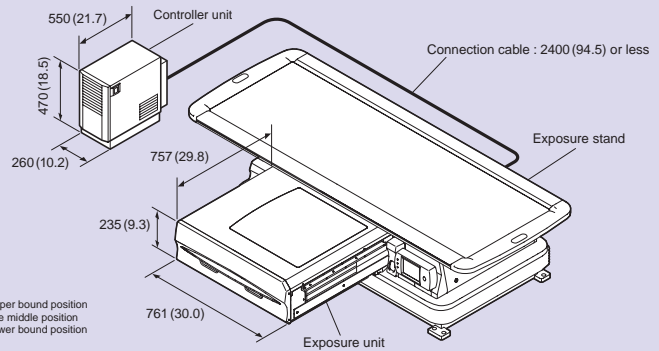
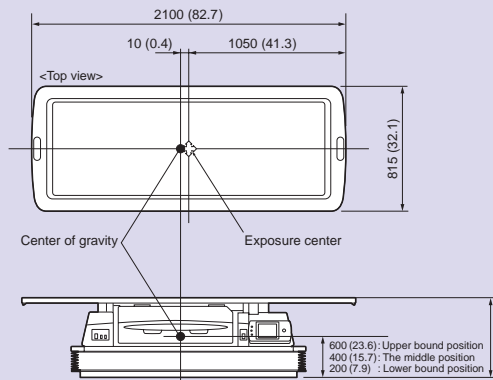
(2) Reading specification

All images are read at the rate of 12 bit/pixel and image densities listed in the table  
below are applied respectively for each image size when output from the CR Console.

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

## Dimensions

Unit: mm (in.)



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

Computed Radiography  
WITH RESPECT TO ELECTRIC SHOCK, FIRE  
AND MECHANICAL HAZARDS ONLY  
IN ACCORDANCE WITH UL2601-1/CAN/CSA C22.2 NO.801.1  
IEC 60601-1-2  
IEC 60601-1 59AK



Specifications and PC requirements are subject to change without notice.  
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FUJI PHOTO FILM CO., LTD.

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