Wouldn’t it be nice to perform complex digital imaging processes—patient identification, image preview, processing and printing, DICOM interfacing—on a single workstation?

We have actually made such a system which features the CR Console. This high-resolution console uses a touch-panel screen with intuitive user guidance menus which are easy to use.

This PC-based Fujifilm’s image processing system can be connected with various and multiple FDRs and FCRs over the network. It has a DICOM interface for easy connectivity with other network devices. Various options are also available.

Fujifilm’s CR Console can display images at high-resolution using software thus enabling superior diagnosis. The MFP and FNC are provided as standard software. Other image processing software such as the GPR and PEM are available as options.

Make the CR Console the heart of your FDR/FCR system so that it ensures the ultimate in image quality and the care that your patients deserve.

**Main Features**

- A high quality image with a full bandwidth and an image transfer rate of 12 bits
- A touch panel screen that supports an intuitive graphic user interface for quick operation in all steps of your examination.
- Quick identification of your patient on the DICOM modality work list and selection of multiple studies to be performed, and at the same time mapping of the optional menu for an optimum workflow.
- A quick preview of images and confirmation of your requirements on the screen before transmitting them to SYNAPSE (PACS).
We are proud to present a high-quality digital systems solution for all neonate and pediatric exposures. This system uses the new imaging plate ST-BD which is based on the dual-side reading technology. The following can be attained as a result of improved sharpness and contrast;

- an accurate diagnosis of various chest diseases
- better control of the course of a disease of a premature infant or a newborn child
- 30% less radiation dosage than ST-VI

Fujifilm – The Technology Leader in Digital Transformations

Clinical Reading of Fine Structures
With the new ST-BD, it has become possible to improve granularity of the image at examination, e.g. at RDS (Respiratory Distress Syndrome) examination. Also, we are able to reduce noise using FNC, a special noise control software tool, and to increase the image sharpness using MFP, a special image processing software tool.

Low Dosage for Infants and Children
For pediatric exposure, the amount of radiation dosage can be reduced by 30% on the ST-BD compared to the standard imaging plate ST-VI without degrading the image quality. This is especially effective in diagnosing peripheral blood vessels and bronchi.

Digital Pediatric Imaging System from Fujifilm

A Solution for All Neonate and Pediatric Exposures

The digital mammography systems from Fujifilm use the latest imaging technologies that enable the early detection of breast cancer. These easy-to-handle systems process and distribute images automatically thus speeding up the work flow.

The new software used on the CR Console enables the image processing entries starting from the patient information to be made from the TET touch panel. Also, a high-resolution life-size image can be output speedily by using Fujifilm’s Dry Imager DRYPIX 4000 and DRYPIX 7000.

As a result, you will be able to expand your diagnostic capabilities with Fujifilm’s digital mammography systems. You, as well as your patients, can reap the benefits of Fujifilm’s excellent imaging technology.

The entire work flow of your screening cluster will be supported in an optimal manner with our system solutions. You can realize your mammography screening with Fujifilm’s CR Console.

Digital Mammography Imaging System from Fujifilm

Your Solution for Screening and Curative Exposures

The digital mammography systems from Fujifilm use the latest imaging technologies that enable the early detection of breast cancer. These easy-to-handle systems process and distribute images automatically thus speeding up the work flow.

The new software used on the CR Console enables the image processing entries starting from the patient information to be made from the TET touch panel. Also, a high-resolution life-size image can be output speedily by using Fujifilm’s Dry Imager DRYPIX 4000 and DRYPIX 7000.

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The entire work flow of your screening cluster will be supported in an optimal manner with our system solutions. You can realize your mammography screening with Fujifilm’s CR Console.

Fujifilm supports the Pink Ribbon campaign for early detection of breast cancer.
**Functional and expandable FCR/FDR systems**

**System Overview**

The CR Console is a patient identification terminal with a preview function. It can be flexibly configured by combining various optional software products. Each CR Console can operate independently as a stand-alone unit, or in parallel with other CR Consoles forming a shared database functionality.

The CR Console is also an “on-demand” quality assurance station which uses standard software MFP and FNC, and is designed for use in combination with various image-processing options.

**System Expandability**

A variety of optionally available software enables each CR Console to be individually configured to match each site/user needs.

**Various Options**

- DICOM, MWM, MPPS, CR Storage, Mammography Storage for Presentation/Processing, Storage Commitment, Basic Print
- Electronic Shutter, Media Storage, Xcon (Connection to X-ray generator), GPR, PEM, Image Stitching, Deluxe-QA, Tile-QA

**Typical Configuration**

**Image Intelegence™ from Fujifilm**

Image Intelligence™ from Fujifilm is an integration of digital image processing technologies to enhance the contrast and sharpness of the entire image without any risk of losing the image details.

The result is a high-resolution image which can be used for detailed medical reading and diagnosis, satisfying the highest demand at less X-ray exposure.

Image Intelligence™ is the result of an ideal combination of Fujifilm’s many years of experience in imaging and its ability to create superior hardware and software products.

**CR Console Main Unit**

**Study Reception**

A typical work area for entering a study to a work list or receiving studies from it.

**Image QA**

A preview image can be displayed and confirmed on this screen. Post-processing can be implemented as desired.

**Tile View**

Allows the simultaneous displaying of from 2 to 8 individual frames on a single screen.

**Image Intelligence™—Better Images with Better Software**

- **MFP**
  - Multi-Frequency Processing
  - This standard software enhances your DR and FCR images. All diagnostic scopes will be enhanced except for noise.

- **FNC**
  - Flexible Noise Control
  - This standard software isolates the noise from the signal and suppresses it, resulting in a non-grainy image.

- **GPR**
  - Grid Pattern Removal
  - This optional software removes the grid patterns to prevent Moiré from occurring.

- **PEM**
  - Pattern Enhancement Processing for Mammography
  - This optional software was specifically developed for mammography imaging and is used to improve the conspicuity of micro-califications without increasing the background noise.
FUJI COMPUTED RADIOGRAPHY

The Ultimate Multi-function Console with
On-Demand Quality Assurance

FUJIFILM Corporation


CR Console CR-IR-348CL

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