Colenta® DX – EASY IMAGING

CR Retrofit Kit Packages

The CR Retrofit Kit makes the use of analogue x-ray films, the use of film cassettes and intensifying screens, the use of a darkroom, a processor and processing chemistry obsolete.

The digital information for the various images, necessary for an x-ray examination, is obtained by means of CR Cassettes/Imaging Plates, which are replacing the conventional method of using cassettes/films.

The digital information, stored on the CR Imaging Plate is scanned by the CR-Reader and is sent to the Capture Console, where by means of the DX-Easy Imaging Acquisition Software the x-ray image is obtained and can be evaluated on screen.
A CD-writer in the PC of the Capture Console allows images to be written and to create a Patient-CD, to be kept with the patient file.

The DX-Easy Imaging Processing Software allows the radiologist to enhance and examine the image exactly as required to make a precise diagnosis. The image can be exported to different media or a Patient-CD made as required.

The diagnosis related images can be printed out by means of the COLENTA DICOM[1)] Printer onto Dry Imaging Film for keeping in the patient file.

The Software has a modular structure and that enables custom tailored configurations.
The main configurations are BASIC, DICOM and Integrated PACS.

For taking an image of the entire spine or the entire lower extremities a long-view cassette for taking an image of a wide area at once and a stitching software that can combine separate images into one image is obtainable.

Features:

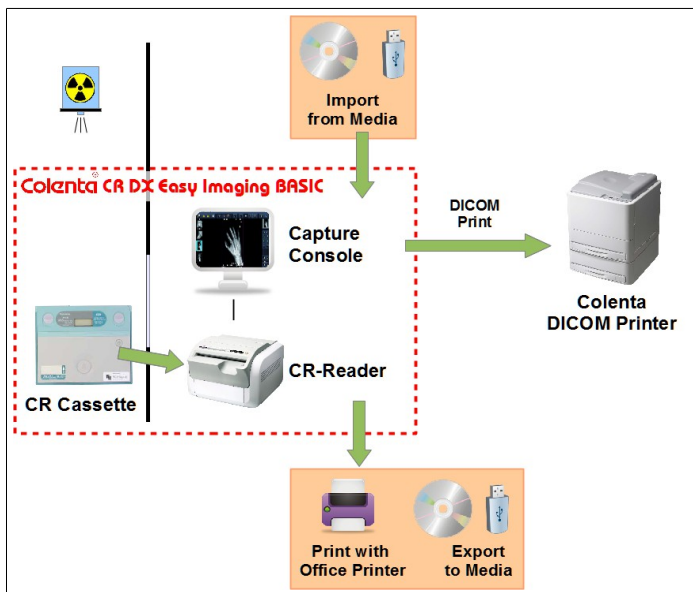|	BASIC	DICOM	Integrated PACS
Enhance Image Functions[3)]	✔	✔	✔
Create Patient-CD	✔	✔	✔
Import / Export DICOM Images to Media	✔	✔	✔
Print out with Office Printer	✔	✔	✔
Print out with DICOM Printer (DICOM Print)	✔	✔	✔
Import Modules of different Data sources		✔	✔
Import Patient Data (DICOM Worklist)		✔	✔
Send DICOM Images (DICOM Send/Store)		✔	✔
Receive DICOM Images (DICOM Query/Retrieve)			✔
Image Storage (PACS) **and final Archiving**			✔
Workstation support			✔

1) DICOM … **D**igital **I**maging and **CO**mmunications in **M**edicine
2) PACS … **P**icture **A**rchiving and **C**ommunication **S**ystem
3) enhance Image Functions:	Zoom, Rotation, Mirror, Window levelling, Contrast inversion,
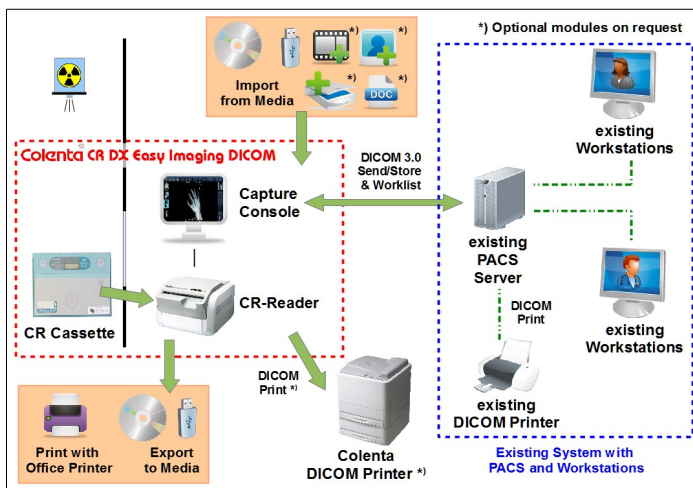	Measurement, Radiography Marker, Add Text

Configuration BASIC:

The BASIC Configuration includes general functions of the DX-Easy Imaging Processing Software to enhance the Images.

The DICOM Print Module for one DICOM[1] Printer enables to print out the diagnosis related images by means of the COLENTA DICOM[1] Printer onto Dry Imaging Film for keeping in the patient file.
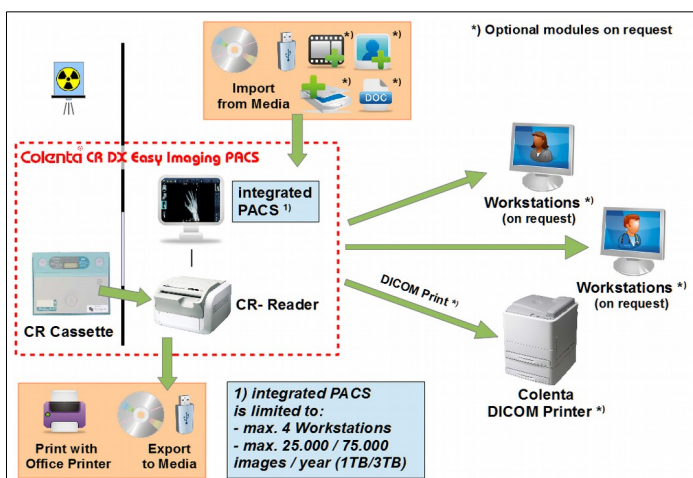
Configuration DICOM:

The DICOM Configuration includes general functions of the DX-Easy Imaging Processing Software to enhance the Images.

Optional Modules are available to import data from different devices and add it to the patient file.

When an IT-System with a PACS[2] Server is already in use, the DICOM[1] Configuration can be easily implemented in the existing system.

Configuration Integrated PACS:

The PACS[2] Configuration allows to set up a complete independently working IT-System in the x-ray department, including Image Archiving facility and connection of additional Workstations.

The amount of workstations working in parallel to be provided, is limited to 4 units.

1) DICOM … **D**igital **I**maging and **CO**mmunications in **M**edicine
2) PACS … **P**icture **A**rchiving and **C**ommunication **S**ystem