

Colenta[®] DX – EASY IMAGING

DR Retrofit Kit Packages

The **DR Retrofit Kit 1417WL - Configuration BASIC** makes the use of CR Cassettes/Imaging Plates or 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 the **Colenta Wireless Flat Panel Detector**, which is replacing the CR Cassettes/Imaging Plates or the conventional method of using cassettes/films.

The Colenta Wireless Flat Panel Detector with **AED (Automatic Exposure Detection)** – facility, does not need any interlink to the x-ray generator.

The digital information, produced by the DR Detector is transferred 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 – within approximately 3 seconds after the x-ray exposure. 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 DICOM¹⁾ 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**.

Features:

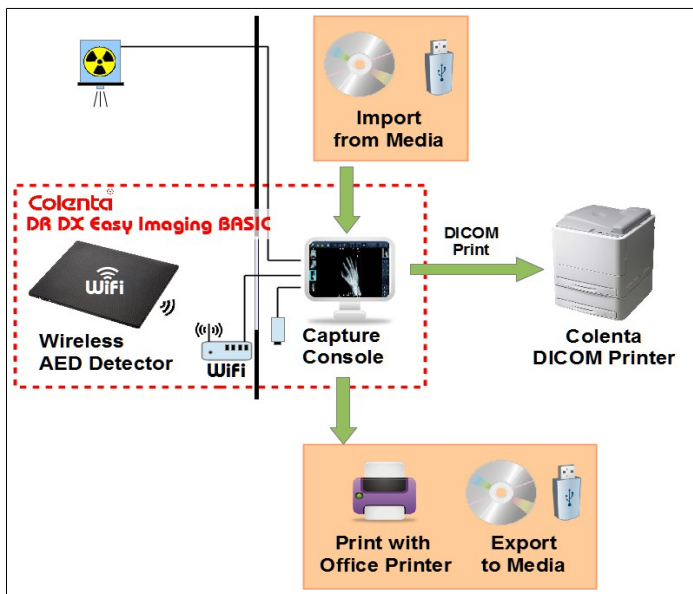
	BASIC	DICOM	Integrated PACS
Enhance Image Functions³⁾	✓	✓	✓
Create Patient-CD	✓	✓	✓
Import / Export DICOM Images to Media	✓	✓	✓
Print out with Office Printer	✓	✓	✓
Print out with DICOM Printer (DICOM Print)	✓	✓	✓
Import Modules of different Data sources		✓	✓
Import Patient Data (DICOM Worklist)		✓	✓
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 **C**ommunications 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

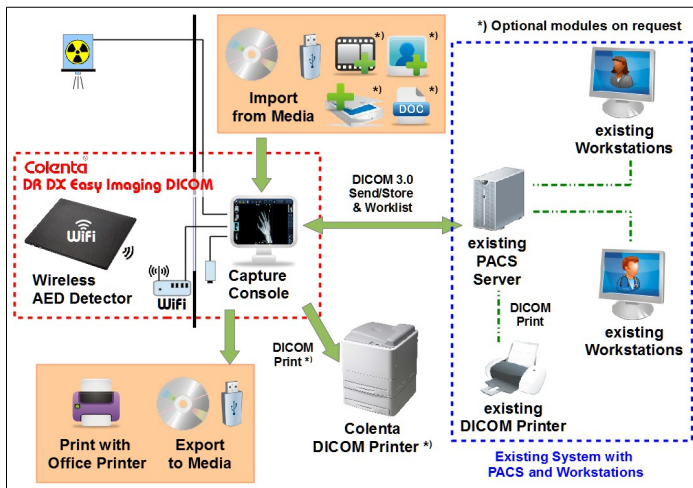
Configuration BASIC:



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

The **DICOM Print** Module for one DICOM¹⁾ Printer enables to print out the diagnosis related images by means of the **COLENTA DICOM¹⁾ Printer** onto **Dry Imaging Film** for keeping in the patient file.

Configuration DICOM:

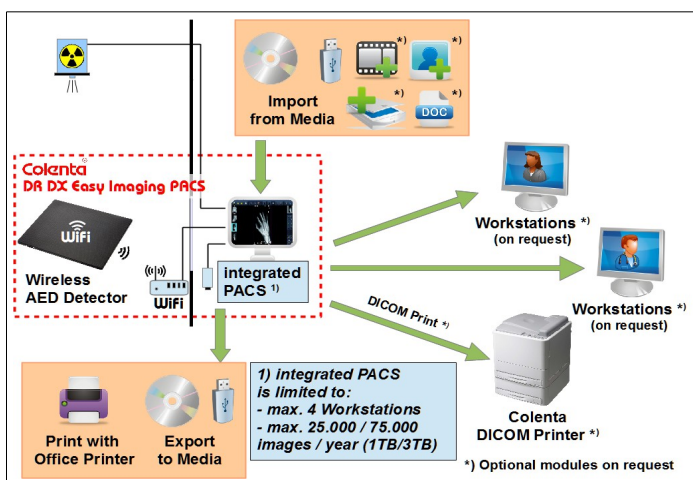


The DICOM Configuration includes general functions of the **DX-Easy Imaging Processing Software** to enhance the Images.

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

When an **IT-System** with a **PACS²⁾ Server** is already in use, the **DICOM¹⁾ Configuration** can be easily implemented in the existing system.

Configuration Integrated PACS:



The PACS²⁾ 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 ... Digital Imaging and COmmunications in Medicine

2) PACS ... Picture Archiving and Communication System