

# Colenta<sup>®</sup> DX – EASY IMAGING

## DR Retrofit Kit Packages

The **DR Retrofit Kit** 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 DICOM<sup>1)</sup> 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:

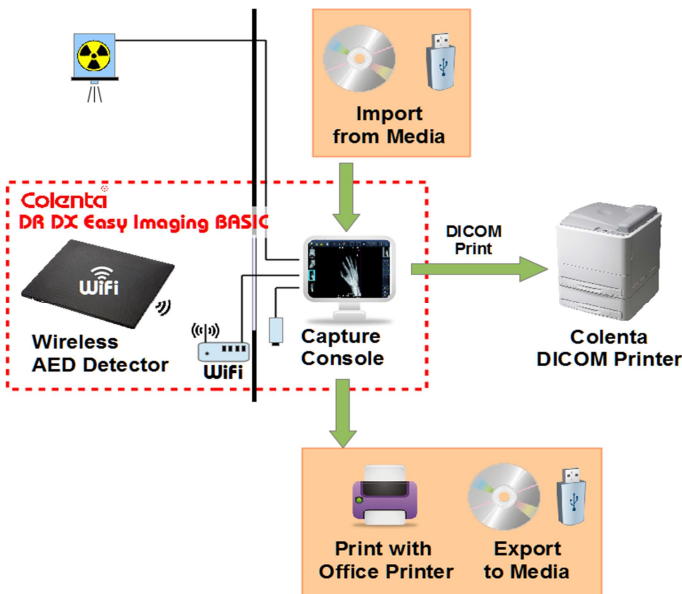
	<b>BASIC</b>	<b>DICOM</b>	<b>Integrated PACS</b>
<b>Enhance Image Functions<sup>3)</sup></b>	✓	✓	✓
<b>Create Patient-CD</b>	✓	✓	✓
<b>Import / Export DICOM Images to Media</b>	✓	✓	✓
<b>Print out with Office Printer</b>	✓	✓	✓
<b>Print out with DICOM Printer (DICOM Print)</b>	✓	✓	✓
<b>Import Modules of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

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

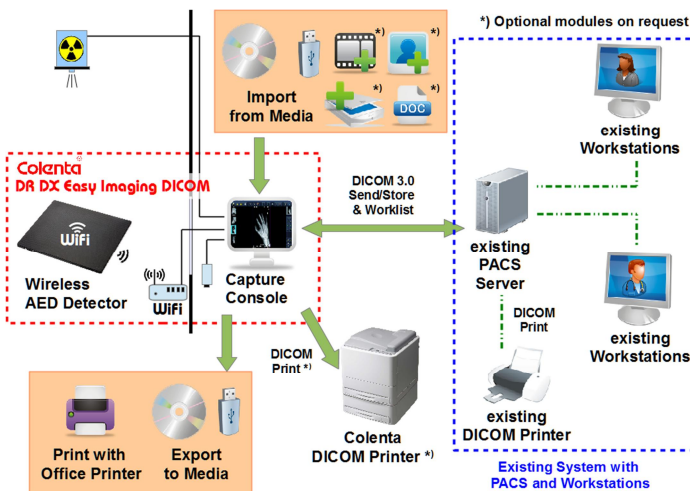
## Configuration BASIC:



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

The **DICOM Print** Module for one DICOM<sup>1)</sup> Printer enables to print out the diagnosis related images by means of the **COLENTA DICOM<sup>1)</sup> Printer** onto **Dry Imaging Film** for keeping in the patient file.

## Configuration DICOM:

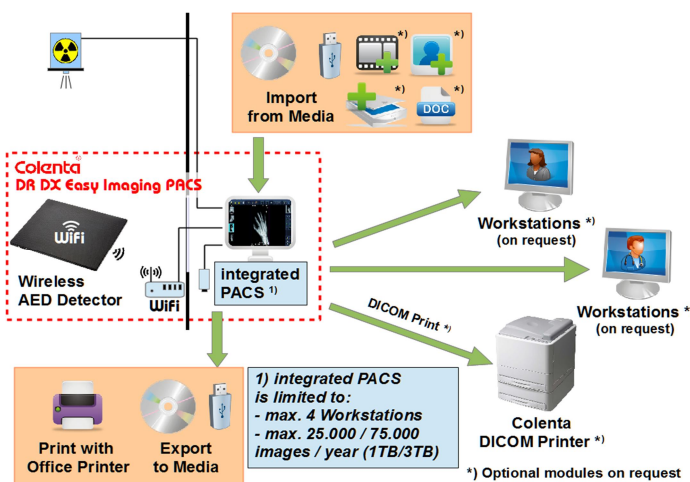


The DICOM Configuration includes general functions of the **DX-Easy Imaging Processing Software** to enhance the Images.

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

When an **IT-System** with a **PACS<sup>2)</sup> Server** is already in use, the **DICOM<sup>1)</sup> Configuration** can be easily implemented in the existing system.

## Configuration Integrated PACS:



The PACS<sup>2)</sup> 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 **C**OMmunications in **M**edicine

2) PACS ... **P**icture **A**rchiving and **C**ommunication **S**ystem