

# Colenta<sup>®</sup> DR Panel KM1417WLC/WC

The DR Panel KM1417WLC/WC (wireless/wired Cesium Iodide) is the latest State of The Art direct X-Ray sensitive, portable, Flat Panel Detector 14"x17" with a high DQE performance to ensure superior image quality by meeting all requirements in high standard general purpose diagnosis.

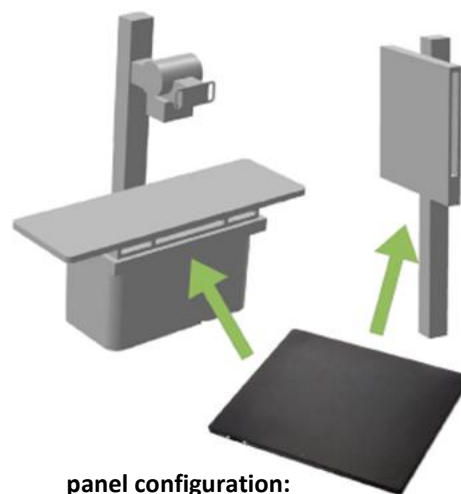
This DR Panel is a digital radiography detector with the large field coverage area of 14"x17" designed for general radiographic application using Colenta image processing software DX Easy Imaging.

This DR Panel can be installed in a single or dual or multiple detector-configuration depending on the required applications. For dual or multiple detector-configurations, the Colenta DR Panel can also be installed in combination with other flat panel detector models of Colenta.



## Features & Benefits

- ✓ Use with existing X-Ray equipment
- ✓ Slim and light-weight design, approx. 2,9 kg
- ✓ Same dimensions as 14"x17" film cassette/CR panel
- ✓ Attachable tethered cable (optional) for Image Acquisition and Transmission through Gigabit ethernet interface
- ✓ Brilliant Modulation Transfer Function (MTF)
- ✓ 16 bit signal digitalization provides Wide Dynamic Range
- ✓ Image acquisition and transfer time within some seconds
- ✓ Communication through WLAN (IEEE 802.11n)
- ✓ Fully compatible with DICOM 3.0<sup>1)</sup> standard
- ✓ Reduced X-Ray dose for patient safety
- ✓ Interchangeable, rechargeable panel battery
- ✓ Optimized algorithms for each different body part
- ✓ Simple & easy integration with all kinds of digital radiography systems
- ✓ Empowered by DX Easy Imaging Software



panel configuration:  
single, dual or multiple

## COLENTA DX Easy Imaging Software

The Image Acquisition Software enables an image preview in approximately 4 seconds after X-Ray exposure for prompt image previewing/confirmation.

The Image Processing Software provides consistent and excellent image quality, using optimized algorithms for each different body part, allowing various pre-set image processing modes for different studies, at considerably reduced X-Ray dose.

The DX Easy Imaging Software is fully DICOM 3.0 compatible, providing image data transfer to any DICOM device, PACS<sup>2)</sup> or RIS, for efficient data management, printing, archiving and remote image viewing.

<sup>1</sup> DICOM Digital Imaging and COmmunications in Medicine

<sup>2</sup> PACS Picture Archiving and COmmunication System

# Colenta DR Panel KM1417WLC/WC Specifications

<b>Technology</b>	Flat Panel Detector, Indirect conversion method
<b>Scintillator</b>	CsI (Cesium Iodide)
<b>Active area</b>	35 x 43 cm (14 x 17")
<b>Resolution</b>	1.994 x 2.430 Pixel
<b>Pixel pitch</b>	175 µm
<b>Grayscale</b>	16 Bit
<b>Image acquisition and transfer time</b>	2 sec.
<b>Spatial Resolution</b>	4 line pair/mm
<b>Cycle time</b>	12 sec.
<b>Method of Exposure (trigger)</b>	DR Trigger
<b>Image transfer</b>	wired Ethernet/Wireless communication (IEEE802.11a/b/g/n)
<b>Operating Time</b>	211 images / 5.8 hours
<b>Housing material</b>	Carbon-fiber front & back
<b>Battery charging time empty to full</b>	30-60 minutes depending on the battery charger
<b>Battery duration in standby status</b>	approx. 16 hours
<b>Battery type</b>	lithium ion capacitor battery
<b>External dimensions</b>	384.2 (W) x 460.2 (D) x 15.9 (H) mm
<b>Weight</b>	2.9 kg (6.39 lbs)
<b>Operating Environment</b>	+10 °C to +30 °C; 35 % to 80 % non condensing humidity
<b>When not operating</b>	-10 °C to +40 °C; 20 % to 90 % non condensing humidity
<b>Storage and transport</b>	-20 °C to +50 °C; 20 % to 90 % non condensing humidity
<b>Capture console, consisting of</b>	Capture Workstation Touch Screen Monitor DX Easy Imaging Software

Software controls detector, image acquisition and optimization, connects dose area product measurement device, DICOM Send/Store, DICOM Worklist. Optional with fully integrated **DX Easy Imaging PACS** solution.

*Specifications are subject to change without notice. All brand names or trademarks are the property of their respective owners. In some countries, regulatory approval may be required to import medical devices.*

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