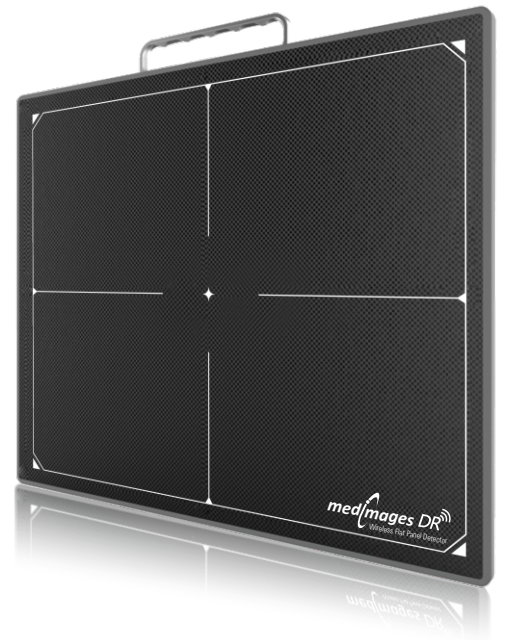


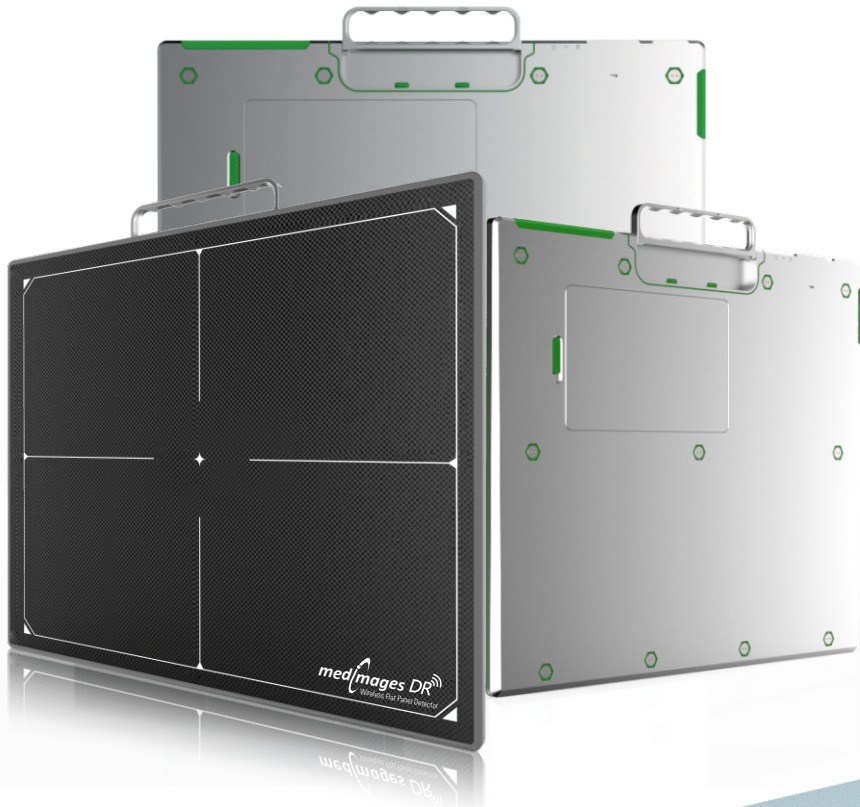
**medimages**



**medimages DR**   
Wireless Flat Panel Detector



14x17 Wireless Flat Panel Detector  
**1417CWE**



# Design Excellence Better Care

The *medimages DR* is a 14x17-inch cassette-sized detector that fits easily into standard tray cabinets for upgrading a film or CR system to a flat panel DR system. Its lightweight, slim design with built-in foldable handle, rubber insulated frame and high-strength aluminium alloy case ensure safe and convenient operation. Highly portable, it offers extra-long battery life with 1400 shots/charge (10sec interval between shots) and 7 hours standby time.



## Advanced Technology

Lower Noise. Lower Radiation. Higher Resolution.

The *medimages DR* 14-17" Wireless utilizes advanced technology to deliver excellent and superior radiographic images with a very low dose of radiation. Now, lower the radiation exposure by up to 30% per shot.

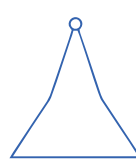
### Cesium Iodide Better Technology. Better Resolution.



CsI Direct Deposit



CsI Glued



As compared to the CsI plates that are glued together, the Scintillator sensors are made by using remarkable technology for direct deposition of Cesium Iodide (CsI) on them. This results in the least amount of isotropic photon lateral scattering which means the best resolution or MTF (Modulation Transfer Function), the best DQE (Detective Quantum Efficiency) and the most reliable long-term performance.

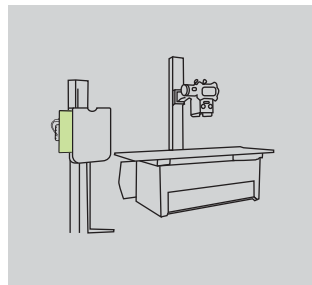
### Full-Field AED A Step Ahead Of The Rest



The Full Field AED technology uses the entire photodiode-array sensor on the surface of the glass substrate to trigger the acquisition process. This allows the placement of a subject anywhere on the panel. No complicated positioning is required as with other FPD brands.

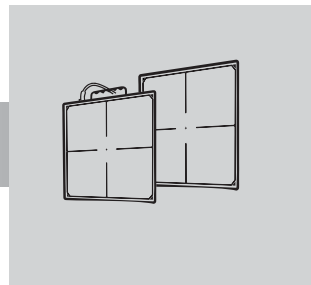
# Low Dose. Low Cost. Low Waste.

There's no need to swap your analogue X-Ray unit for an expensive, newer system. The **medimages DR<sup>®</sup>** Wireless Flat Panel Detector provides universal flexibility as it easily integrates with fixed-mounted systems as well as retrofits existing systems and mobile Units.



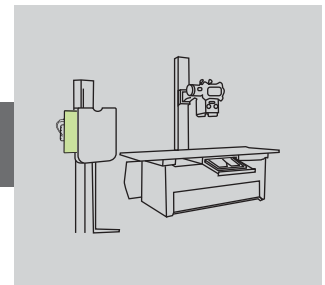
Fixed Analog X-Ray Machine

+



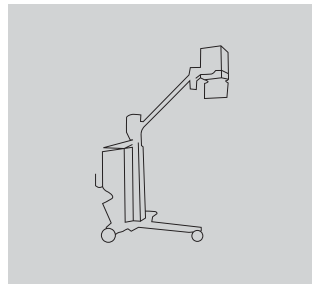
MEDIMAGES DR 14-17 Wireless

▶



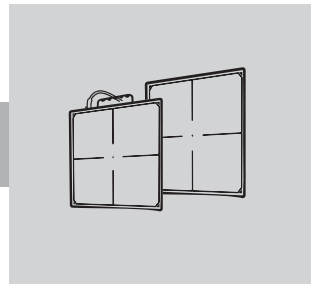
New Digital X-Ray System

**medimages DR<sup>®</sup>**  
Wireless Flat Panel Detector



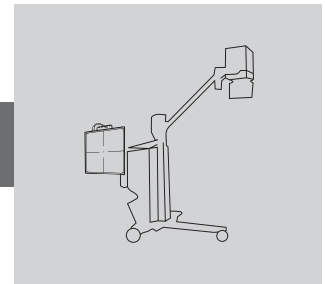
Mobile Analog X-Ray Machine

+



MEDIMAGES DR 14-17 Wireless

▶



New Digital X-Ray System



## The Wi-Fi Convenience

The **medimages DR<sup>®</sup>** offers dual-band wireless transmission of 2.4/5Ghz with a fast data transmission rate of 300Mbps. As a result, a high-resolution radiographic image is acquired and transferred wirelessly in approximately 4secs. And in case of a Wi-Fi signal loss, the detector is capable of automatic recovery of data.

### Advantages of the **medimages DR<sup>®</sup>** Wireless Flat Panel Detector Wireless system

Competitive Pricing

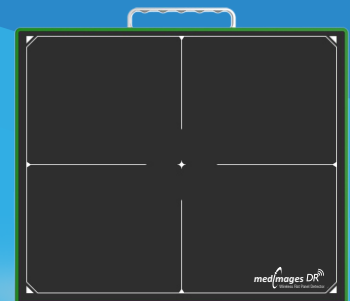
Reuse Existing Systems

Low Radiation

Fast Image Acquisition

High Resolution Imaging

One-Step Digitalization



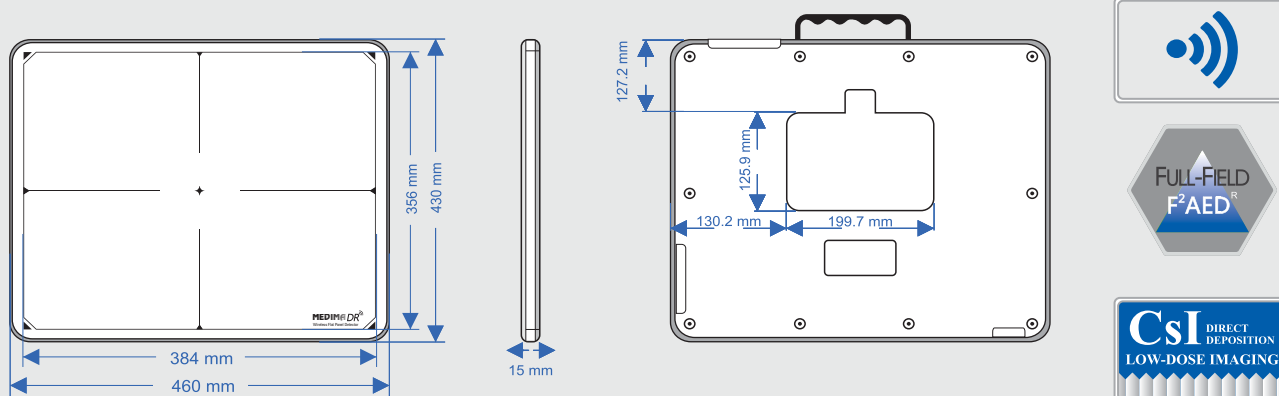


# medimages DR<sup>®</sup> Specifications

Wireless Flat Panel Detector

Sensor	
Scintillator	Direct-Deposit CsI
Active Area	43.0 x 35.6 cm
Pixel Array	3072 x 2560
Pixel Pitch	140 µm
Image Quality	
Limiting Resolution	3.571lp/mm
MTF	- 63%(@1.0 lp/mm), - 35% (@2.0 lp/mm), - 17% (@ 3.0 lp/mm), - 10% (@ 3.5 lp/mm)
DQE (@ RQA 5, 27 Gy)	- 62%(@0.0 1p/mm), - 50%(@ 0.5 1p/mm), - 45% (@1.01p/mm), - 38% (@ 1.5 lp/mm) - 32%(@2.0 1p/mm), - 24%(@ 2.5 1p/m IT), - 17% (@ 3.0 1p/mm), - 10% (@ 3.5 lp/mm)
Maximum Linear Dose	70 Gy
Dynamic Range	> 80 dB
Lag	< 0.02% (60 seconds after exposure)
A/D Conversion	16 bits
Communication Interface	
Communication Interface	Gigabit Ethernet, WiFi (2.4/5 GHz)
Image Acquisition Time	2 - 4 s
Exposure Control	F <sup>2</sup> AED, Manual Sync, Software Sync
Environmental	
Operating Environment	Natural Cooling
Temperature Range	Operating: 5 - 35°C, Storage: -20 - 55°C
Humidity Range	Operating: 30 - 75% RH, Storage:10 - 90% RH (Non-condensing)
Mechanical	
Dimensions	46.0 x 38.4 x 1.5 cm
Weight	3.7 kg
Housing Material	High-strength aluminum alloy w/ carbon fiber imaging surface
Power	
Maximum Power	Max. 36VA
Power Supply	100 - 240V AC
Frequency	50/60 Hz

## Dimensions (mm)



**medimages**

Medimages Medical Systems Pvt. Ltd.

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