



IMIX DIGITAL RADIOGRAPHY

Powered by Arcoma technology and innovation

Light-weight & Durable

World's Lightest Weight Wireless FPD

The Arcoma Detector is the lightest FPD in the world weighing as little as 2.9 kg (6.3 lbs) and supports wireless networking which transmits captured images to the console. Technologists can easily perform non bucky exams such as table top or cross table projections.



Durable Monocoque Structured Cassette

We adopted the "Monocoque case" to ensure trouble-free operation even under substantial shock or load. Since the battery is incorporated in the cassette (it need not be replaced), it is unnecessary to provide the case with a notch for battery replacement which reduces the rigidity of the case. Because of this, the cassette case that is appreciably light in weight has sufficient rigidity.

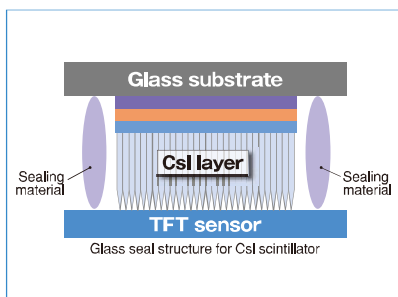
● Monocoque case made out of carbon fiber

Carbon fiber



Sealed and Protected Scintillator

In order to prevent the CsI crystal from being deformed by local concentration of external force, a double-glass structure in which the CsI scintillator glass plate and the TFT panel glass plate are overlapped and sealed together is adopted for Imix Det. The double-glass structure not only enhances the load-bearing performance but also prevents the scintillator edge from being deformed by a mechanical shock (e.g., fall or striking of the cassette) and the TFT sensor panel glass plate from being broken.



SPECIFICATIONS

WIRELESS DIGITAL RADIOGRAPHY SYSTEM

- **Type**
Portable flat panel detector based on amorphous silicon (a-Si)
- **Scintillator**
CsI (Cesium Iodide)
- **Weight**
2.9 kg
- **Pixel Size**
175 μ m
- **Image Field**
1,994 x 2,430 (4.8 million pixels)
- **Power/Communications Tether**
Possible
- **WLAN Standard**
WLAN standard IEEE 802.11a
- **Dynamic Range**
4 digits
- **Dimensions (W x D x H)**
383,7 x 460,2 x 15,9 mm
※Equivalent to standard 14 x 17" cassette
- **Charging Time Empty to Full**
30 minutes with battery charger
- **Operating Time**
2 hours typ. at 60 images / hour
- **Battery Life Cycle**
Same as the product life cycle
- **Battery Expected Lifetime**
6 years
- **Detector Structure**
Durable Monocoque uniform structure

