



## X-Flat Detector Family

### X-Ray Detectors for Dynamic and Static Imaging

#### Product Highlights

- Best of class flat-panel X-ray image acquisition devices
- Wide range of fixed, wired portable and wireless portable detectors for multiple applications
- Designed for convenience, ease of use, and easy interfacing
- Superior image quality, immediate image access
- Integration with image-processing and numerous range of OEM X-ray generators ready
- Optimized and fast workflow
- Different sizes available

## Technical Features

### Static Detection

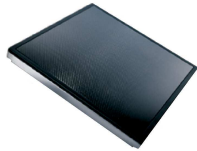
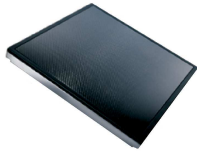
- Based on Amorphous Selenium (a-Se) and Amorphous Silicon (a-Si) active matrix
- High DQE (Detective Quantum Efficiency) providing either images with superior quality or the same quality at a lower dose
- Wide imaging area
- 14-bit digital output

### Dynamic Detection


- Can be used from cardiac application up to peripheral angiography
- High Speed: 26 – 86 Frames Per Second (FPS)
- High resolution: 75 – 300  $\mu$ m pixel pitch
- Superior image quality: high DQE, contrast and dynamic range
- Exposure integration time: 38ms to 10s depending on models

## Technical Data



### Fixed Static Detectors

Fixed Static Detectors		
<b>Vendor</b>	Rayence (Samsung)	Rayence (Samsung)
<b>Product</b>	Xmaru 1717G	Xmaru 1717S
<b>Product Picture</b>		
<b>Active Size</b>	430 x 430 mm (17" x 17")	430 x 430 mm (17" x 17")
<b>Scintillator</b>	GadOx	CsI
<b>Dimensions (mm)</b>	500 (W) x 497 (L) x 45 (H)	500 (W) x 497 (L) x 45 (H)
<b>Weight</b>	13.4 kg	14.5 kg
<b>Pixel Pitch (Resolution)</b>	143 $\mu$ m	143 $\mu$ m
<b>DQE</b>	54% at 0 frequency	54% at 0 frequency
<b>Operating Temperature Range</b>	15 - 35° C 20 -75% RH (non-condensing)	15 - 35° C 20 -75% RH (non-condensing)

## Fixed Static Detectors

Fixed Static Detectors		
Vendor	Toshiba	Toshiba
Product	FDX3543R	FDX4343R
Product Picture		
Active Size	350 x 420 mm (13,8" x 16,8")	430 x 430 mm (17" x 17")
Scintillator	CsI	CsI
Dimensions (mm)	380 (W) x 460 (L) x 150 (H)	512 (W) x 495 (L) x 430 (H)
Weight	3.0 kg	17.0 kg (suffix A Type) 9.0 kg (suffix B Type)
Pixel Pitch (Resolution)	143 $\mu$ m	143 $\mu$ m
DQE	70 %	>70% typ. at 6.4 $\mu$ G RQA5
Operating Temperature Range	15 - 35° C 20 -75% RH (non-condensing)	15 - 35° C 20 -75% RH (non-condensing)



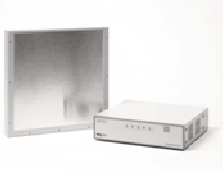
## Wireless Portable Static Detectors

Wireless Portable Static Detectors		
Vendor	Konica Minolta	Konica Minolta
Product	Aero DR	AeroDR
Product Picture		
Active Size	350 x 430 mm (14" x 17")	430 x 430 mm (17" x 17")
Scintillator	CsI	CsI
Dimensions (mm)	384 (W) x 460(L) x 16 (H)	460 (W) x 460 (L) x 100 (H)
Weight	2.9 kg	3.6 kg
Pixel Pitch (Resolution)	175 $\mu$ m	175 $\mu$ m
DQE	70% typ. At 1 $\mu$ G RQA5	70% typ. At 1 $\mu$ G RQA5
Operating Temperature Range	10 - 35° C 30 -75% RH (non-condensing)	10 - 35° C 30 -75% RH (non-condensing)

## Fixed Dynamic Detectors

Fixed Dynamic Detectors			
<b>Vendor</b>	Dexela	Dexela	Dexela
<b>Product</b>	2923 CMOS	2315 CMOS	2321 CMOS
<b>Product Picture</b>			
<b>Active Size</b>	230 x 290 mm (9" x 11.4")	230 x 145 mm (9" x 5.7")	230 x 210 mm (9" x 8.3")
<b>Scintillator</b>	Csl or Gadox	Csl or Gadox	Csl or Gadox
<b>Dimensions (mm)</b>	273 (W) x 352 (L) x 43 (H)	271 (W) x 257 (L) x 43 (H)	On request
<b>Weight</b>	6 kg	3,5 kg	On request
<b>Pixel Pitch (Resolution)</b>	75 µm	75 µm	75 µm
<b>DQE</b>	> 70% at 0.5 lp/mm	> 70% at 0.5 lp/mm	On request
<b>Operating Temperature Range</b>	10° C to 40° C	10° C to 40° C	10° C to 40° C

## Fixed Dynamic Detectors

Fixed Dynamic Detectors			
<b>Vendor</b>	Thales (Trixiell)	Varian	Varian
<b>Product</b>	Pixium RF 4343	PaxScan 2020+	PaxScan 3030+
<b>Product Picture</b>			
<b>Active Size</b>	430 x 430 mm (17" x 17")	199 x 199 mm	298 x 298 mm (12" x 12")
<b>Scintillator</b>	Csl	Csl	Csl
<b>Dimensions (mm)</b>	508 (W) x 518 (L) x 80.9 (H)	617(W) x 279 (L) x 258 (H)	338 (W) x 328 (L) x 58 (H)
<b>Weight</b>	25 kg	5.0 kg	3.7 kg
<b>Pixel Pitch (Resolution)</b>	148 µm	194 µm	194 µm
<b>DQE</b>	65% typ. At 1 µG RQA5	70% ±5%	70% typ. At 1 µG RQA5
<b>Operating Temperature Range</b>	5 - 35° C (41-95° F) 30 - 75% RH (non-condensing)	10 - 38° C Cooling is required for case temperature >35° C	10 - 35° C 10 - 90% RH (non-condensing)

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