



IONA2-R-4343 digital X-ray receptor Specification

Revision 2

Digital Technologies in Radiology

Technical specification	
Detector technology	Photo-diode sensors array with optical coupling (PSA)
Detector type	EUK
Sensors Number	88
Field of view, mm	432 x 432
Conversion Screen Type	CsI
A/D Conversion	16 bits
X-ray exposure auto detection (AED)	Integrated
Data interface	Gigabit Ethernet
Radiography mode	
Pixel Area	4096 x 4096
Screen Pixel Pitch, μm	117 x 150
Limiting spatial Resolution, lp/mm	4.0
Dimensions, mm	501(v) x 547(h) x 120(d)
Housing Material	Carbon fiber / steel
Weight, kg	< 11,5
Power	18V DC 65W
Primary Image Processing	
Geometric Distortion Correction	Software implementation, based on test-objects patterns ¹
Non-Uniformity Correction	Full range, based on series of flat-field test objects images for the given output brightness levels

¹ Original patented technology

Receptor Dimensions and Appearance

