



IONA2-RF-2430 digital X-ray receptor Specification

Revision 12

Digital Technologies in Radiology

Technical specification			
Receptor Type	Photo-diode sensors array with optical coupling (PSA)		
Sensors Number	120		
Field of view, mm	244 x 304		
Conversion Screen Type	DRZ-Std (CsI optional)		
A/D Conversion	16 bits		
X-ray exposure auto detection (AED)	Integrated		
Data interface	Gigabit Ethernet, Wi-Fi IEEE 802.11n		
Radiography mode			
Pixel Area	4096 x 5104	2048 x 2552	
Screen Pixel Pitch, μm	66 x 90	132x180	
Spatial Resolution, lp/mm	5.0 x 5.0	3.8 x 2.8	
Fluoroscopy / tomosynthesis / CBCT			
Pixel Area	3564 x 4440	2048 x 2552	1024 x 1276
Screen Pixel Pitch, μm	132 x 90	132 x 180	265 x 360
Spatial Resolution, lp/mm	3.8 x 5.0	3.8 x 2.8	1.9 x 1.4
Frame per second (max)	2.0	7.5	30
Dimensions, mm	256(v) x 410(h) x 77 (d)		
Housing Material	Carbon fiber / plastic		
Weight, kg	4.3		
Power	18V DC 50W, battery-powered with charger		



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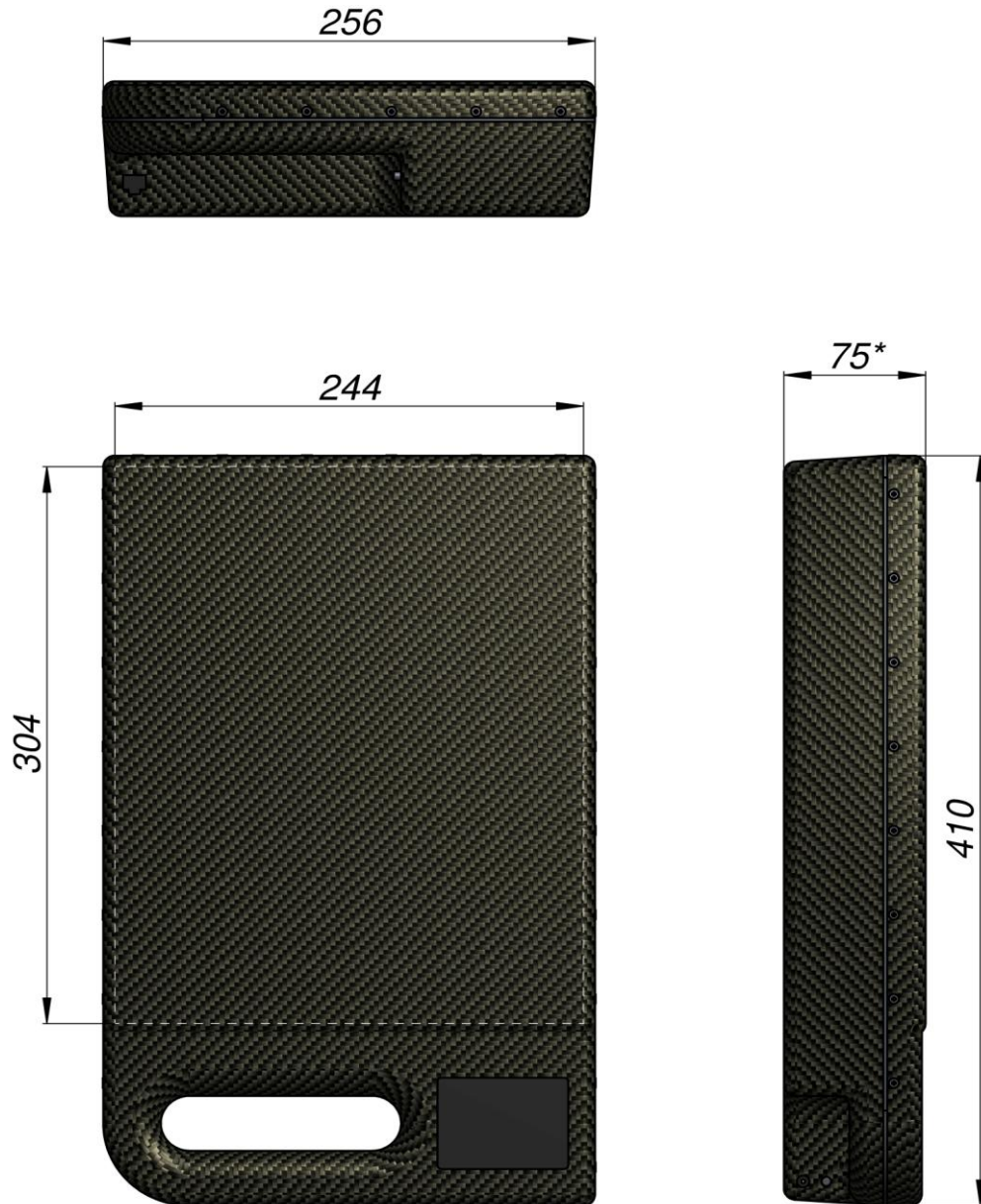
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Primary Image Processing	
Geometric Distortion Correction	Software implementation, based on test-objects patterns ¹
Non-Uniformity Correction	Full range, based on series of flat-field test objects images for the given output brightness levels

1 Original patented technology

Receptor Dimensions





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