

# QuixFP-100 Flat Panel Digital X-ray Detector

<b>Detector Specifications</b>	
Imaging Area	422 mm x 406 mm
Weight	47 lb (21.4 kg)
Number of Pixels	6.7M (2640 x 2540)
Pixel Size	160 x 160 microns
Geometric Fill Factor	Near 100%
Nyquist Frequency	3.1 lp/mm
Sensor	Direct Conversion, Amorphous Selenium-based
Readout Technology	Plasma DR Technology
MTF @ RQA5	70% @ 1.0lp/mm / 33% @ 2.0 lp/mm / 8% @ 3.0 lp/mm
Exposure Factor	Equivalent to 200 speed screen-film
Dynamic Range	14 bit ADC, 12 bit exported
Image Readout Time	< 2 seconds
Final Image (after processing)	~10 seconds
Cycle Time (successive images)	< 20 seconds
kVp Range	40 – 150 kVp

<b>Inlets / Outlets</b>	
Power in	D-5WB HD 15 pin, male / 24.5-25.5V, 8.3V, -5.5V DC
Communication	Lemo 4 pin , female RS232
Data Out	Lemo 2 pin, female (dedicated digital protocol)
DB (Digital Bucky)	Lemo 7 pin, bucky control
Conditioning Tube inlet	Stop fitting, 6mm tube (Pisco, PSC6-M5M)

<b>Operating Environment</b>	
Humidity	10% to 75% non condensing
Temperature	5°C to 35 °C / 41°F-95°F
Imaging Orientation	All directions
Note:	A conditioning unit to maintain a controlled internal detector environment is provided

<b>Transportation and Storage Environment</b>	
Humidity	10% to 95% non-condensing (UL 10-95%)
Temperature	5°C to 40 °C / 41°F –104°F

<b>Certifications</b>	
	FDA 510(k), CE

Edge Medical Devices, Ltd.  
Hatasiya 25  
Raanana, ISRAEL  
Tel: +972 9 7413675  
Fax: +972 9 7413671



August, 2006