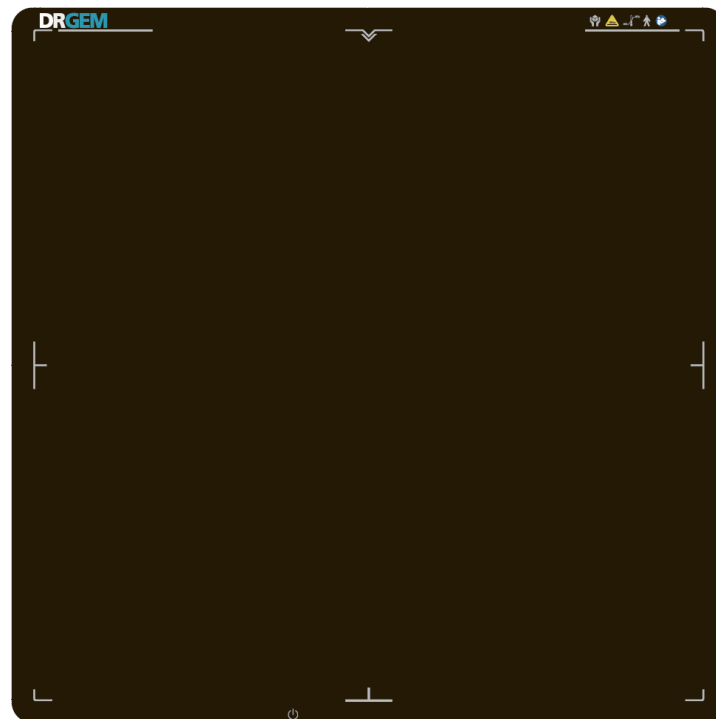


Mano4343F

X-ray Detector

Product Specifications



1. SPECIFICATION

NO.	Specification	Performance
1	Detector Technology	Flexible
2	Scintillator	CsI
3	Active Area	426.7mm x 426.7mm
4	Number of Pixels	4267 x 4267
6	Pixel Pitch	100 um
7	AD Conversion	16 bit
8	Trigger Mode	AED / Software
9	Data Interface	Wireless/Wired
10	Dimension	460mm x 460mm x 15mm
11	Weight	3 kg (with battery)
12	Static Loading	300kg Uniformity
13	Battery Capacity	ypical8h@90scyclesoftwaremode
14	Water Proof	IP56

● Product Description and Feature

Mano4343F is a 43x43 cassette-size flexible wireless flat panel detector designed for Human used digital radiography.

- Fast workflow
- More image details
- Excellent image quality
- Cassette-size flat panel detector

● Image Performance

NO.	Specification	Performance
1	MTF @ 1.0 LP/mm (Typ.)	70%
2	MTF @ 2.0 LP/mm(Typ.)	40.4%
3	MTF @ 3.0 LP/mm(Typ.)	22.8%
4	DQE @ 0 LP/mm (2.5uGy@RQA5, Typ.)	73.4%
5	DQE @ 1.0 LP/mm (2.5uGy@RQA5, Typ.)	55.9%
6	DQE @ 2.0 LP/mm (2.5uGy@RQA5, Typ.)	40.4%
7	Limiting Resolution (without phantom or grid)	5.0 lp/mm
8	Sensitivity (LSB/uGy)	Typ. 519
9	Maximum Linear Dose (uGy)	Typ. 100

● Workflow

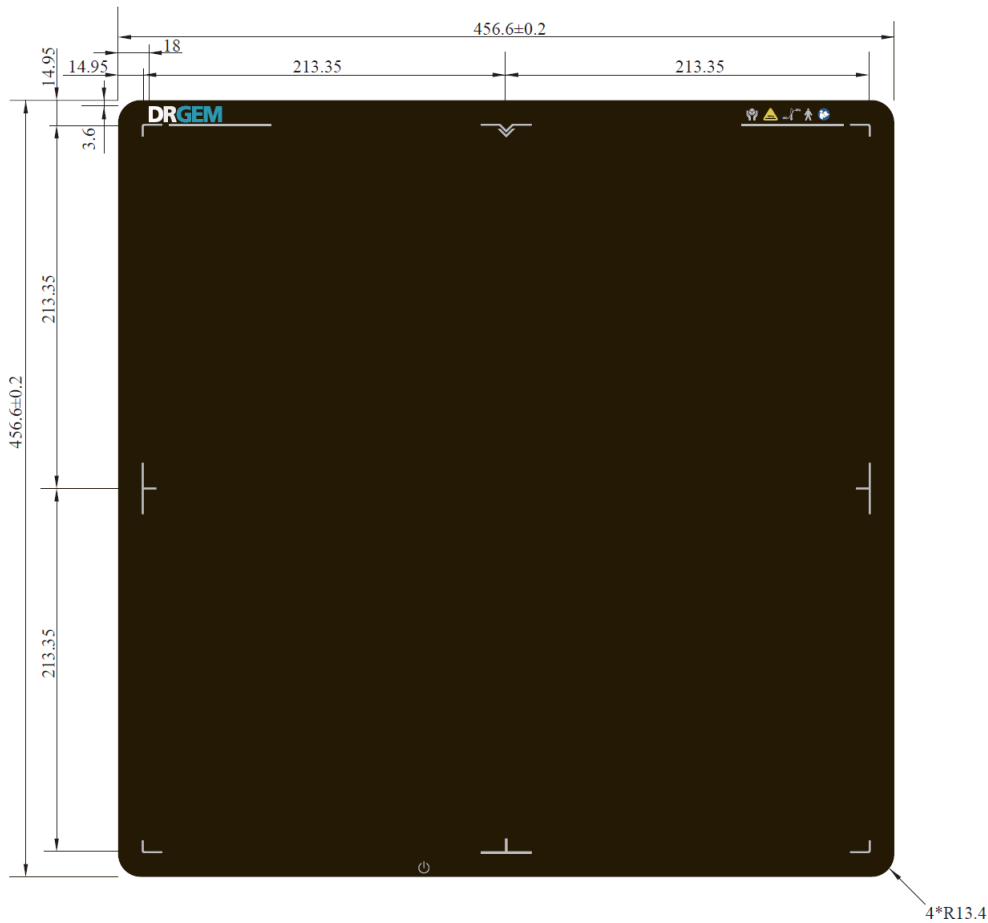
NO.	Specification	Performance
1	Trigger Mode	AED(Optional) / Software
2	Preview Image Time	Typ. <1s
3	Full Image Time	Typ. <3s
4	Cycle Time	Typ. <6s

● Environmental Requirement

NO.	Specification	Performance
1	Operating Temperature	10°C~35°C
2	Storage & Transport Temperaturewith Package	-20°C~55°C
3	Operating Humidity	5%~90%
4	Storage & Transport Humidity with Package	5%~95%
5	Operating Atmospheric Pressure	700mbar~1060mbar
6	Storage & Transport Atmospheric Pressure	600mbar~1060mbar

2. DIMENSION

Unit: mm



REVISION HISTORY

Revision Number	Date	Description
0	MAY10, 2024	First Edition



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