

ExamVue Flat Panel Detectors Specification Sheet








ExamVue Panel Detectors



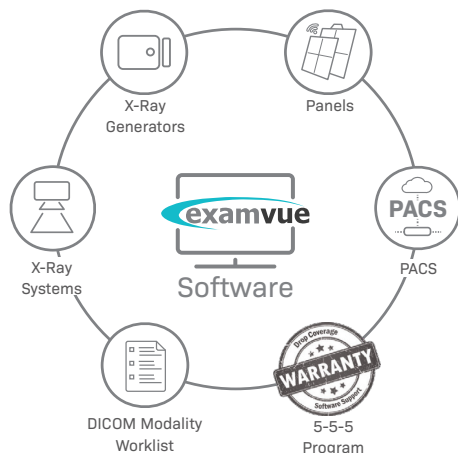
ExamVue DX Panel Detectors

Panel Detector Features

-  **Works with All X-ray Generators**
-  **AED Automatic Exposure Detection**
-  **Sharp and Easily Read Images**
-  **Lower Patient Dose with CSI Tech**
-  **Great Images with Larger Patients**
-  **Installs Directly into Bucky Stand**
-  **No Wiring into the Generator Needed**

ExamVue Acquisition Software

With state of the art and intuitive imaging tools, our ExamVue software produces clear, concise, and quality images with even the oldest generators. ExamVue PACS comes standard with diagnostic tools and can be expanded even further with the JPI Cloud PACS. Reliable and convenient, the ExamVue software seamlessly integrates into any professional practice.

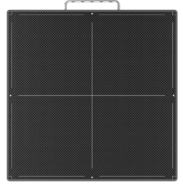
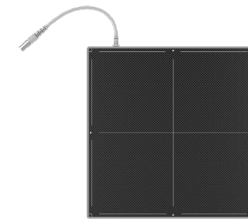
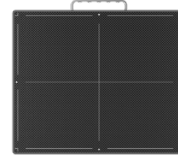
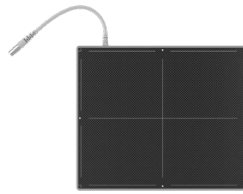
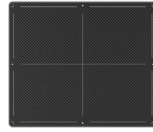
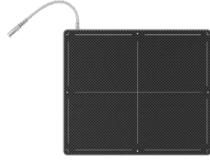
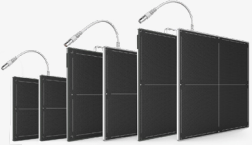


Contact us:

3555 Veterans Memorial Hwy, Unit D
Ronkonkoma, NY 11779
sales@jpihealthcare.com
(516) 513-1330 Ext. 3

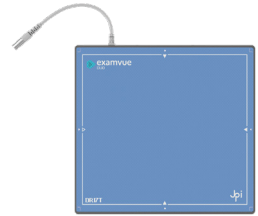
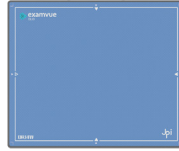


TECHNICAL SPECIFICATIONS



ExamVue Detectors	10x12 Tethered	10x12 Wireless	14x17 Tethered	14x17 Wireless	17x17 Tethered	17x17 Wireless
Sensor						
Scintillator	Direct Deposit CsI:TI					
Active Area	307.2 x 244.32 mm	307.2 x 244.32 mm	433.7 x 354.8mm	433.7 x 354.8mm	434 x 434 mm	433.5 x 433.5 mm
Pixel Array	2560 x 2048	2560 x 2048	2816 x 2304	2816 x 2304	2816 x 2816	2816 x 2304
Pixel Pitch	120 μm	120 μm	154 μm	154 μm	154 μm	154 μm
Image Quality						
Spatial Resolution	4.16 lp/mm	4.16 lp/mm	3.25 lp/mm	3.25 lp/mm	3.25 lp/mm	3.25 lp/mm
A/D Conversion	16 bits					
Full Image Time	2-3 sec		2-3 sec	Wired 2-3 sec Wireless 4-5 sec	2-3 sec	
MTF	70% (@ 1 lp/mm)		70% (@ 1 lp/mm)		70% (@ 1 lp/mm)	
	40% (@ 2 lp/mm)		40% (@ 2 lp/mm)		40% (@ 2 lp/mm)	
	25% (@ 3 lp/mm)		22% (@ 3 lp/mm)		22% (@ 3 lp/mm)	
	15% (@ 4 lp/mm)		15% (@ 4 lp/mm)		22% (@ 3 lp/mm)	
DQE	~ 70% (@ 0 lp/mm)		~ 65% (@ 0 lp/mm)		~ 65% (@ 0 lp/mm)	
	~ 40% (@ 3 lp/mm)		~ 20% (@ 3 lp/mm)		~ 20% (@ 3 lp/mm)	
Communication						
Communication Interface	Gigabit Ethernet	Gigabit Ethernet 2.4G/5GHz, 300 Mbps	Gigabit Ethernet 2.4G/5GHz, 300 Mbps	Gigabit Ethernet 2.4G/5GHz, 300 Mbps	Gigabit Ethernet	Gigabit Ethernet 2.4G/5GHz, 300 Mbps
Exposure Control	F ² AED Manual Sync	F ² AED Manual Sync	F ² AED External Sync; Manual Sync	F ² AED Manual Sync	F ² AED External Sync; Manual Sync	F ² AED Manual Sync
Mechanical						
Dimension	333 x 268 x 15 mm	333 x 268 x 15 mm	460 x 384 x 15 mm	460 x 384 x 15 mm	460 x 460 x 15 mm	460 x 460 x 15 mm
Weight	2 kg	2.3 kg	3.4 kg	3.7 kg	3.4 kg	4 kg
Environmental						
Operating Temperature	5°C - 35°C					
Operating Humidity	30% - 75% RH					
Storage Temp	-20°C - 35°C					
Storage Humidity	10% - 90% RH					
IP Rating	IP65					
Power						
Max Power (Standby/Operating)	< 8W / 17W		< 8W / 20W		< 8W / 20W	
Power Supply	100-250V AC					
Frequency	50 / 60 Hz		50 / 60 Hz		50 / 60 Hz	
Battery Autonomy	3260 mAh, 14.8V		3260 mAh, 14.8V		3260 mAh, 14.8V	

TECHNICAL SPECIFICATIONS



ExamVue DX Detectors

DR14W

DR17T

Sensor

Scintillator

Direct Deposit CsI:Tl

Direct Deposit CsI:Tl

Active Area

433.7 x 354.8mm

434 x 434 mm

Pixel Array

2304 x 2800

3072 x 3072

Pixel Pitch

150 μ m

139 μ m

Image Quality

Spatial Resolution

3.3 lp/mm

3.6 lp/mm

A/D Conversion

16 bits

16 bits

Full Image Time

5 sec

5 sec

MTF

>58%
>25%
>10% (@ 3.3 lp/mm)

60% (@ 1 lp/mm)
31% (@ 2 lp/mm)
15% (@ 3 lp/mm)

DQE

>58% (@ 0.0 lp/mm)
>14% (@ 2.5 lp/mm)

~ 52% (@ 0 lp/mm)
~ 16% (@ 3 lp/mm)

Communication

Communication Interface

2.4G and 5G
IEEE802.11 a/b/g/n/ac

Gigabit Ethernet

Exposure Control

AED / Software

AED / Software / Prep

Mechanical

Dimension

460 x 384 x 15 mm

460 x 460 x 15 mm

Weight

3.3 kg

4 kg

Environmental

Operating Temperature

5°C - 35°C

5°C - 35°C

Operating Humidity

10% - 90% RH

30% - 80% RH

Storage Temp

-20°C - 55°C

-10°C - 55°C

Storage Humidity

5% - 95% RH

10% - 95% RH

IP Rating

IPX1

IPX1

Power

Max Power (Standby/Operating)

18W

30W

Power Supply

100-250V AC

100-250V AC

Frequency

50 / 60 Hz

50 / 60 Hz

Battery Autonomy

4180mAh, 10.8V