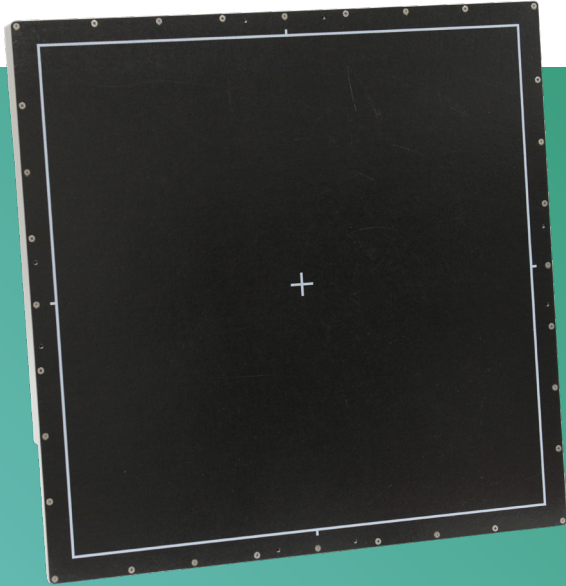


4343R (Version 3)

Digital Radiography



Reliability and Performance

Varex 4343R (Version 3) is a robust X-ray detector designed for fixed and digital radiography applications.

OVERVIEW

The Varex PaxScan 4343R (Version 3) is our largest X-ray imaging flat panel detector designed for general digital radiographic imaging. Based upon the new Gigabit Ethernet interface, images are displayed on a user-supplied workstation.

The 4343R (Version 3) embeds the M-series Varex Smart Panel (VSP) software within the receptor. Developers interface with the receptor through VSP COMM which resides on the workstation. The integrator experience is simplified through the new M-series software interface. An onboard Control Panel is used to manage receptor settings and configuration. The ViVA™ sample imaging application is included. VSP COMM is Windows 10 (32 & 64-bit) compatible.

FEATURES AND BENEFITS

- Designed for fixed applications
- Excellent image quality
- High reliability
- Extremely short cycle time 3.4 sec
- Automated Exposure Detection (AED)

APPLICATIONS¹

- Digital radiography

TECHNICAL SPECIFICATIONS

SENSOR

Receptor Type	Amorphous Silicon with PIN Technology	
Scintillator	DRZ+ / CsI	
Pixel Area - Total	427 (h) x 427 (v) mm (16.8 x 16.8 inch)	
Active (DRZ+)	424 (h) x 424 (v) mm (16.7 x 16.7 inch)	
Active (CsI)	421 (h) x 421 (v) mm (16.6 x 16.6 inch)	
Pixel Matrix - Total	3,072 (h) x 3,072 (v)	
Effective (DRZ+)	3,052 (h) x 3,052 (v)	
Effective (CsI)	3,032 (h) x 3,032 (v)	
Pixel Pitch	139 μ m	
Limiting Resolution	3.6 lp/mm	

IMAGE QUALITY

DQE @ 2.1 μ Gy	GADOX/DRZ+ (typical)	CsI (typical)
DQE @ 0 lp/mm	38%	78%
DQE @ 1 lp/mm	27%	55%
DQE @ 2 lp/mm	16%	42%
DQE @ 3 lp/mm	7%	28%
DQE @ Nyquist	3%	14%
MTF @ 1 lp/mm	54%	56%
MTF @ 2 lp/mm	23%	27%
MTF @ 3 lp/mm	9%	14%
MTF @ Nyquist	6%	10%

COMMUNICATIONS

Cycle Time @ 550 ms	3.4 sec
X-Ray Window	350-4000 ms
Data Output	Gigabit Ethernet
A/D Conversion	16-bit
Workstation Interface	Ethernet Port
Exposure Control	Inputs: Expose-Request and Prep Outputs: Expose-OK AED: vTrigger

MECHANICAL

Weight (DRZ+ / CsI)	6.1 kg \pm 0.1 kg / 6.2 kg \pm 0.1 kg
Housing Material	Aluminum
Sensor Protection Material	Carbon Fiber and aluminum

ENVIRONMENTAL

Shock	High-shock tolerance
Temperature Operating (at back cover)	10°C to 40°C (max.)
Storage Temperature (ambient)	-20°C to +70°C
Humidity - Operating & Storage (non-condensing)	10% to 90%

POWER

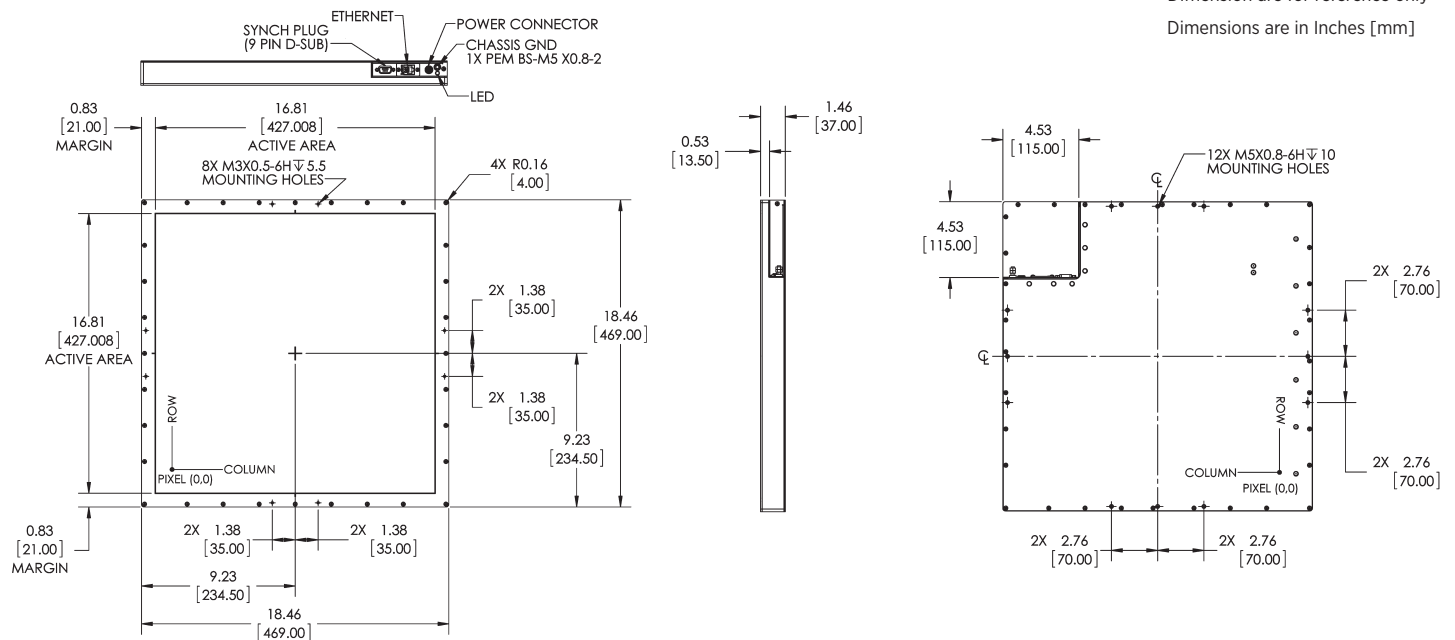
Power Dissipation	14 watts (max.)
Power Supply/Adaptor	90-240 VAC, 47-63 Hz

REGULATORY

U.S.	ANSI/AAMI ES 60601-1:2012
Canada	CAN/CSA C22.2 No. 60601-1:14
EU	IEC/EN 60601-1:2012

¹ Unless otherwise specified, Varex Imaging Flat Panel X-ray Detectors are components intended to be integrated into products by X-ray system manufacturers. System manufacturers are responsible for qualifying and validating their products for their intended uses and meeting all applicable regulatory requirements.

4343R (Version 3) Panel



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