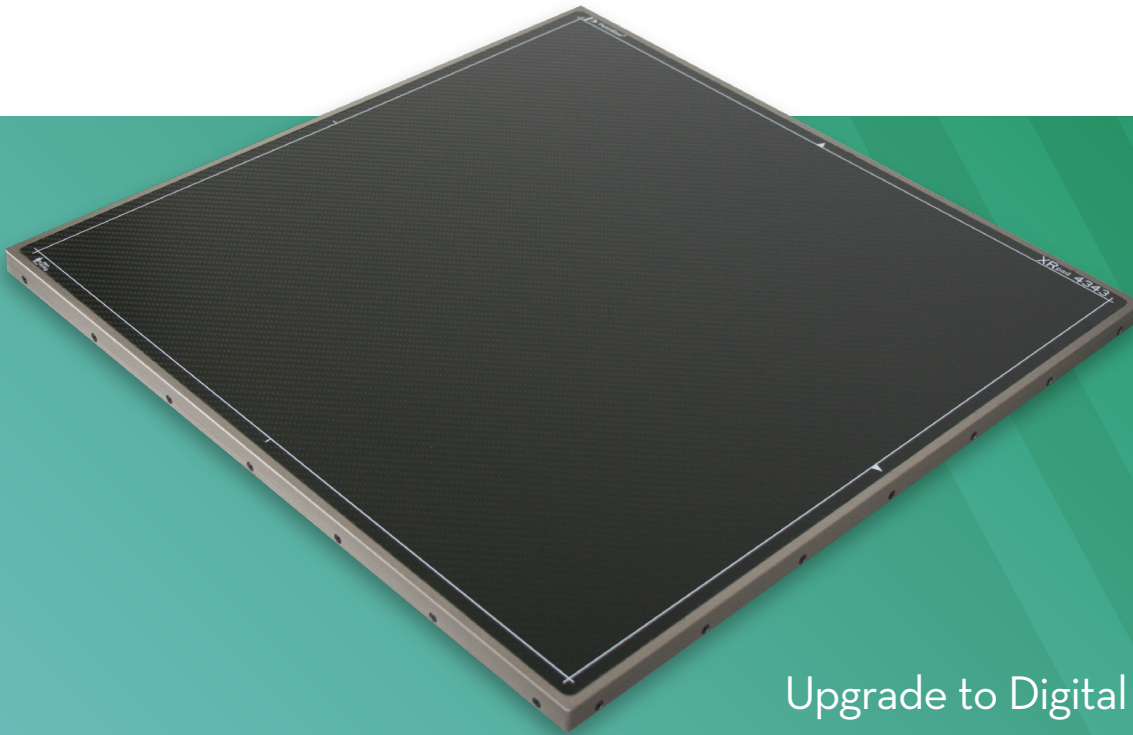


XRpad 4343 F

Flat Panel Detector



Upgrade to Digital Radiography

OVERVIEW

Varex Imaging XRpad™ 4343 F is a lightweight, cassette-sized flat panel detector for digital radiography. It fits into a conventional table or wall-stand bucky, just like a film-screen cassette.

Featuring a 18.7 million pixel image matrix and best-in-class 100 µm pixel pitch, this detector provides exceptional image quality. The true cassette-sized construction, with 43 x 43 cm² imaging area, fits in a standard bucky, enabling easier placement and cleaning. Automatic Exposure Detection simplifies integration.

FEATURES AND BENEFITS

- Fixed configuration cassette detector
- True 43 cm x 43 cm (17" x 17") image
- High resolution 100 µm pixel pitch
- Up to 65,536 grey levels (16-bit ADC)
- Automatic Exposure Detection (AED)
- CsI scintillator

APPLICATIONS¹

- Digital radiography

TECHNICAL SPECIFICATIONS

SENSOR

Panel	Single substrate amorphous silicon active TFT/diode array
Scintillator	CsI:Tl
Pixel Matrix	4318 × 4320
Pixel Pitch	100 μm

ELECTRONICS

Amplifiers	Low noise ASICs with user selectable gains
ADC	16-bit
Image Transfer Time	600 ms
On-board Memory	1 GB DDR3, 4/8 GB SDHC card

COMMUNICATIONS

Wired Data I/F	GigE via power and communication tether
X-ray I/F	Integrated X-ray trigger control Automatic Exposure Detection

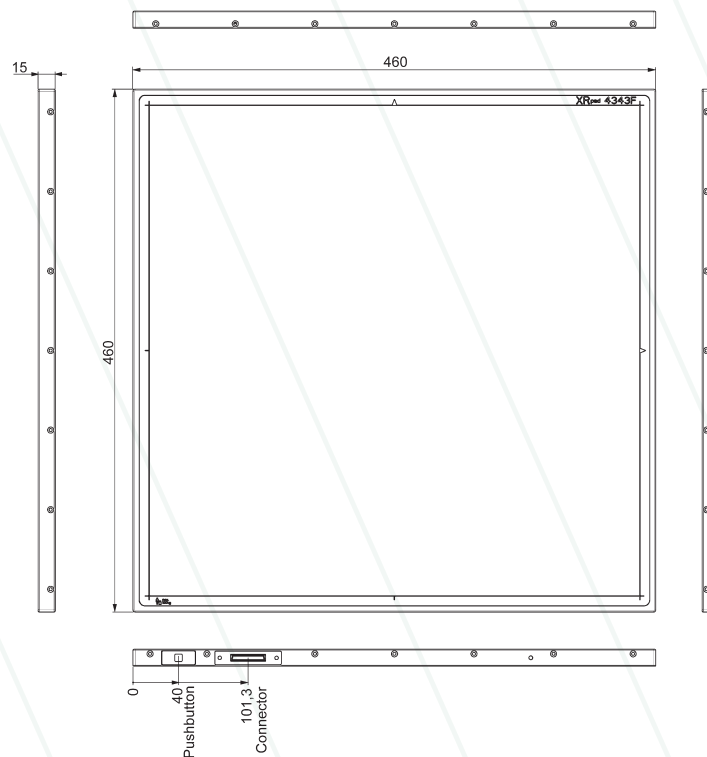
IMAGING PERFORMANCE

Typical						
cy/mm	0	1	2	3	4	5
DQE	78%	63%	53%	46%	35%	21%
MTF	N/A	67%	38%	21%	13%	8%

Limiting Resolution	5 cy/mm
Energy Range	20 - 150 kV

MECHANICAL CHARACTERISTICS

(Dimensions in mm)



Dimension are for reference only
Dimensions are in Inches [mm]

MECHANICAL

Size	43 cm × 43 cm (17" × 17") cassette size
Active Area	432 mm × 432 mm
External Dimensions	460 mm (w) × 460 mm (l) × 15 mm (h)
Weight	4.1 kg (9.0 lbs)
Housing	Aluminum frame with carbon-fiber entrance window

ENVIRONMENTAL

Temperature	10°C – 35°C operating
Humidity	30% to 70% operating (non-condensing)

ACCESSORIES

Interface and Power Unit	XRpad IPU with external power supply 100 - 240 V AC, GigE, and X-ray I/F
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REGULATORY

Standards	IEC 60601-1, IEC 60601-1-2, IEC 60601-1-6, ISO 10993-5, ISO 10993-10
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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.

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