



## XRpad 4343

Wired Cesium Iodide (CsI) DR Detector

*Cassette-sized 17x17" FPD with Automatic Exposure Detection, Superior Image Quality and High Dynamic*

### Features and Benefits

- True 17"x17" (43cmx43"cm) imaging area
- Cassette-sized detector fits in conventional Bucky
- Direct deposition CsI provides best image quality
- High resolution 100 µm (micron) pixel pitch
- 18.7 million pixel image matrix
- Automatic Exposure Detection (AED)
- Up to 65,536 shades of gray
- Integrated panel status display
- Power and data communication tether
- On-board memory for image storage



**XRpad 4343**

### Product Overview

The XRpad™ 4343 is a wired, light weight, 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, a best-in-class 100µm (micron) pixel pitch, and a direct deposited CsI scintillator, the XRpad 4343 provides exceptional image quality. True 43 x 43 cm imaging area is provided, along with a tethered connection to provide power and image transmission.

Single-piece carbon-fiber construction for the front and back housing allows for easier placement and cleaning. Automatic Exposure Detection (AED) simplifies integration.

Paired with PACS Pro Medical or Veterinary Acquisition and viewing software, the XRpad 4343 provides the best image quality on the flat panel market today.

Perfect for private practice and imaging centers, the 4343 can be placed in any table or wall-stand tray and will not need to be re-positioned for any patient exams.



# XRpad 4343 Technical Specifications

Sensor	
Panel	Single substrate amorphous silicon active TFT/diode array
Scintillator	Directly deposition CsI:TI
Pixel Matrix	4318 × 4320
Pixel Pitch	100 μm
Electronics	
Amplifiers	Low noise ASICs with user selectable gains
ADC	16 bit
Image Transfer Time	6 seconds
On Board Memory	1 GB DDR3, 4 GB SDHC Card
Mechanical	
Size	43 cm × 43 cm (17" × 17")
Active area	True 432 mm × 432 mm
External dimensions	460 mm (w) × 460 mm (l) × 15 mm (h)
Weight	9.4 lbs (4.5 kg)
Housing	Carbon-fiber front & back
Communications	
Status Display	OLED display with status & sensor indicators
Wired Data I/F	GigE via power & communication tether
X-ray I/F	Integrated X-ray trigger control Automatic Exposure Detection (AED)

Imaging Performance	
Limiting Resolution	5 cy/mm
Typical MTF	70% (1 cy/mm), 40% (2 cy/mm), 15% (4 cy/mm) for RQA5
Typical DQE	75% (0 cy/mm), 60% (1 cy/mm), 40% (3 cy/mm) for RQA5
Environmental	
Temperature	10 – 35 °C operating
Humidity	30 – 70 % RH operating (non-condensing)
Power	
Interface and Power Unit	XRpad IPU with external power supply 100-240 V AC, GigE, and X-ray I/F
Regulatory	
Standards	IEC 60601-1, IEC 60601-2, IEC 60601-1-6, FCC 47CFR PT 15, FCC OET 65C, ETSI EN 301 893, EN 62311 ISO 10993-5, ISO 10993-10, CE
Customizable Options	
Sequence Mode	Up to 3 fps (with image buffer)
Binned Mode	Up to 8 fps for 2 × 2 binned, 200 μm pitch for a pixel matrix of 2159 × 2160
Image Calibration	On-board offset, gain and defective pixel corrections
Fast Preview	4 × 4 binned quick preview image

Software Options and Warranty	
Acquisition SW	PACS Pro Image Acquire and Viewing
Archive SW	PACS Pro Web Store and View, PACS Pro Basic Archive SW, PACS Pro Cloud Storage
XRpad Warranty	Two Year Manufacturer's Warranty
Support	Dealer Support provided during initial Two Year XRpad warranty period

