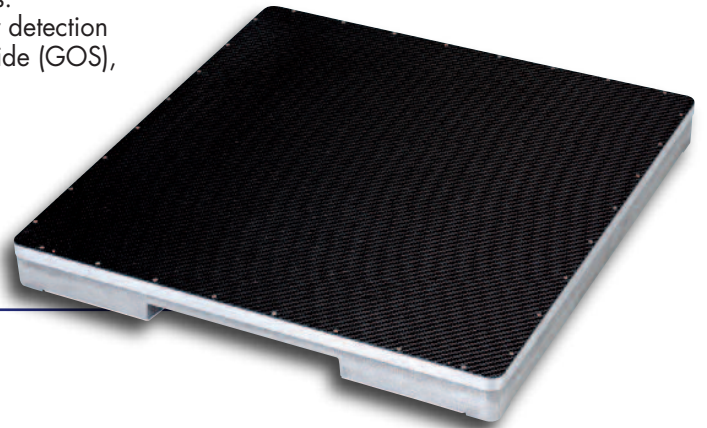


## LARGE-FORMAT DIGITAL X-RAY DETECTORS

- ▶ The third generation of fixed detectors has been launched in order to bring Pixium® flat panel detectors within reach of all X-Ray systems. The new Pixium® detectors offer a choice between two X-ray detection technologies: Cesium Iodide (CsI) and Gadolinium Oxy-Sulfide (GOS), both in 43x43cm format (17"x17").
- ▶ The Pixium® detectors offer top quality performances and generate high quality X-ray images for immediate diagnosis with low exposure.

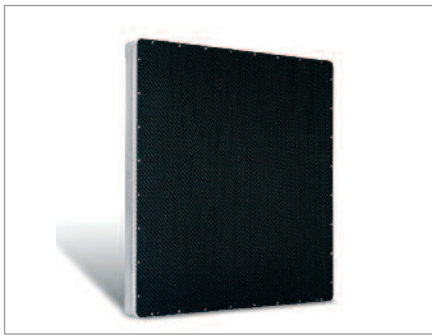


### DIGITAL RADIOGRAPHY

## Pixium® 4343 RC-e and Pixium® 4343 RG-e

**Large format, low dose, easy to integrate, affordable**





DIGITAL RADIOGRAPHY

# Pixium® 4343 RC-e and Pixium® 4343 RG-e

Choice of CsI and GOS technology

## COST-EFFECTIVE AND LOW-DOSE DIGITAL RADIOGRAPHY

Pixium® detectors are large-format flat-panel digital detectors designed for X-ray exams. They generate high-quality images while reducing exposure.

## CsI OR GOS TECHNOLOGY

To meet market demand, a choice is proposed between two Pixium® versions: one with a CsI scintillator (Pixium® 4343 RC-e), the other with a GOS scintillator (Pixium® 4343 RG-e). Both deliver excellent image quality.

## ROBUST

Pixium® detectors are robust, durable and guarantee a high level performance under the most difficult conditions.

## EASY TO INTEGRATE

The simplified design of Pixium® detectors greatly facilitates easy integration in X-ray systems.

Data between detector and system is transmitted via a simple Ethernet link, and Pixium® detectors only require a single 24 V power supply.

## TECHNICAL SPECIFICATIONS (\*)

	Pixium® 4343 RC-e	Pixium® 4343 RG-e	
Scintillator	Cesium Iodide (CsI)	Gadolinium Oxy-Sulfide (GOS)	
Pixel size	148	148	µm
X-ray sensitive area	17 x 17	17 x 17	inch
	423.3 x 425.4	423.3 x 425.4	mm
	2860 x 2874	2860 x 2874	pixels
<b>X-ray conditions</b>			
NED (Noise Equivalent Dose) max.	0.25	0.64	µGy
Sensitivity (RQA5) Typical value	0.60	0.33	LSB/nGy
Saturation dose	≥ 85	≥ 125	µGy
Maximum linear dose	≥ 50	≥ 75	µGy
<b>Operation</b>			
Image acquisition time			
Preview	~ 3	~ 3	s
Display	< 5	< 5	s
DQE @ 0.05 lp/mm			
Typical Value (2 µGy RQA5, IEC 62220)	65	35	%
A/D conversion	16	16	bits
DC Supply	24 (+/- 10%)	24 (+/- 10%)	v
<b>Mechanical characteristics</b>			
Dimensions Max value	500 x 490 x 45.5	500 x 490 x 45.5	mm
Weight Typical value	11.7	10.6	kg

(\*) Some figures might change slightly in the next months.

## TRIXELL

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