

# Flat panel detector **XenOR 35CL**

35 x 43 cm [14" x 17"]

**XenOR** - The art of digital X-ray imaging

- Due to the automatic synchronisation of detector and generator by means of AED there is no need to modify the X-ray system or adapt the system or the cable connections
- High DQE, large dynamic range and very low noise
- "CsI direct deposition" technology ensures excellent image quality at a low X-ray dose
- Low power consumption and thermally efficient design
- Active area 43.4 x 35.5 cm (14" x 17")
- Pixel pitch 154  $\mu$ m
- Pixel array 2,816 x 2,304
- Resolution approx. 3.3 lp/mm
- Dimensions (W x H x D)  
460 x 384 x 15 mm
- Weight approx. 3.3 kg



# Flat panel detector

## XenOR 35CL 35 x 43 cm, [14 x 17 Zoll]

### Parameter

Sensor	
Scintillator	CsI Direct Deposit
Active Area	433.7 x 354.8 mm
Pixel Array	2816 x 2304
Pixel Pitch	154 $\mu$ m

Image Quality	
Limiting Resolution	3.3 lp/mm
MTF	~ 65% (@ 1 lp/mm)
	~ 40% (@ 2 lp/mm)
	~ 22% (@ 3 lp/mm)
DQE	~ 65% (@ 0 lp/mm)
	~ 20% (@ 3 lp/mm)
Sensitivity	~ 0.50ct/nGy
Maximum Linear Dose	100 $\mu$ Gy
Dynamic Range	> 80 dB
Greyscale	16 bits

Communication Interface	
Communication Interface	Gigabit Ethernet
Image Acquisition Time	2-3 s
Exposure Control	Manual
	External Trigger

Environmental	
Operating	Natural Cooling
- Temperature Range	5°C - 35°C
- Humidity Range (Non condensing)	10% - 90% RH
Storage	
- Temperature Range	-10°C - 55°C
- Humidity Range	10% - 90% RH

Mechanical	
Dimension	460 x 384 x 15 mm
Weight	3.3 kg
Housing Material	Carbon fiber front
	High strength aluminium alloy back

Power	
Power Dissipation	8W (standby) / 22W (operating)
Power Supply	100 - 250V AC
Frequency	50/60Hz

Please visit [www.or-technology.com](http://www.or-technology.com) for more details

#### Specifications subject to revision without notice

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