

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 μ 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 μ 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 μ 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 for more details

Specifications subject to revision without notice

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Headquarters: OR Technology (Oehm und Rehbein GmbH), 18057 Rostock, Germany, Neptunallee 7c
 Info-Hotline: +49 381 36 600 600, info@or-technology.com, www.or-technology.com
OR Technology UK: Celtic SMR Ltd., Frederick House, Hayston View, Johnston, Haverfordwest, Pembrokeshire SA62 3AQ, United Kingdom, www.celticsmr.co.uk, sales@celticsmr.co.uk

