

# Flat panel detector **XenOR 43CL**

43 x 43 cm [17 x 17 Zoll]

Due to its Auto Exposure Detection (AED) and its low weight the cassette-sized **XenOR 43CL** flat panel detector with cable connection can be used in a large variety of applications in digital radiography, for instance in upgrading existing X-ray systems.

- As the detector and generator synchronise automatically by means of AED there is no need to modify the X-ray system or adapt the system or the cable connections
- Excellent image quality due to high DQE, large dynamic range and very low noise
- "CsI direct deposition" technology optimises digital signal processing and ensures excellent image quality at a low X-ray dose
- Easy operation and integration due to a single cable for power, network and synchronisation
- Active area  
43.4 x 43.4 cm (17" x 17")
- Pixel pitch 154  $\mu\text{m}$
- Pixel array 2816 x 2816
- Dimensions (W x H x D)  
460 x 460 x 15 mm
- Weight approx. 3.9 kg

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



# Flat panel detector

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

### Parameter

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

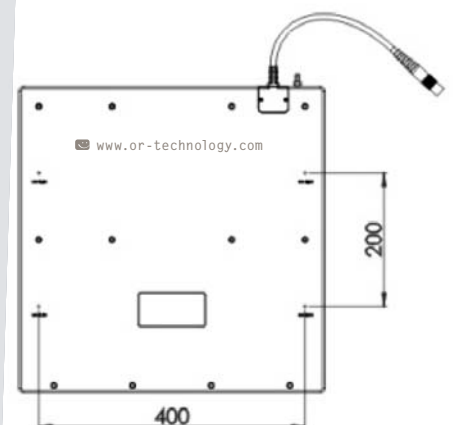
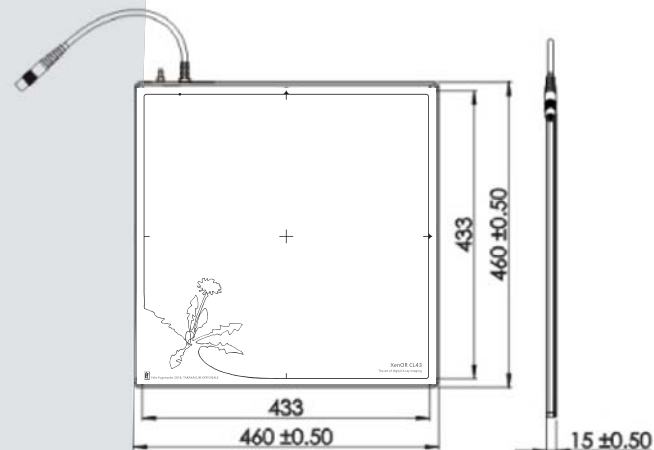
Image Quality	
MTF	~ 70% (@ 1 lp/mm) ~ 40% (@ 2 lp/mm) ~ 22% (@ 3 lp/mm)
DQE	(@RQA5, 30 $\mu$ Gy) ~ 62% (@ 0 lp/mm) ~ 18% (@ 3 lp/mm)
Sensitivity	~ 0.50ct/nGy
Response Non-linearity	< $\pm$ 0.5%
Maximum Linear Dose	100 $\mu$ Gy
Dark Noise	~ 8 nGy
Dynamic Range	~ 82 dB
Greyscale	16 bits

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

Environmental	
Operating	Natural Cooling
- Temperature Range	5°C - 35°C
- Humidity Range (Non condensing)	30% - 75% RH
Storage	
- Temperature Range	-20°C - 55°C
- Humidity Range	10% - 90% RH

Mechanical	
Dimension	460 x 460 x 15 mm
Weight	3.9 kg
Housing Material	Carbon fiber front High strength aluminium alloy back

Power	
Power Dissipation	<8W (standby) / 24W (operating)
Power Supply	100 - 240V AC
Frequency	50/60Hz



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#### Specifications subject to revision without notice

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