

Wireless flat panel detector **XenOR 43CW**

43 x 43 cm [17 x 17 Zoll]

The wireless X-ray detector XenOR 43CW in cassette format weighs only 4 kg and works with Auto Exposure Detection (AED). The detector easily fits into any standard bucky tray for upgrading a conventional X-ray system or CR system to a DR system.

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
- Extra long battery life with 1400 shots/charge (10 sec interval between shots) and 7 hours standby time
- "CsI direct deposition" technology optimises digital signal processing and ensures excellent image quality at a low X-ray dose
- Wireless acquisition and transfer of a full resolution radiography image in ~ 4 sec
- Active area: 43.4 x 43.4 cm (17" x 17")
- Pixel pitch: 154 μ m
- Pixel array: 2816 x 2816 Pixel
- Dimensions (W x H x D): 460 x 460 x 15 mm
- Weight approx. 4.1 kg



Flat panel detector

XenOR 43CW 43 x 43 cm [17 x 17 Zoll]

Parameters

Sensor	
Scintillator	CsI Direct Deposit
Active Area	433.5 x 433.5 mm
Pixel Array	2816 x 2816
Pixel Pitch	154 μ m

Image Quality	
Limiting Resolution	3.3 lp/mm
MTF	~ 70% (@ 1 lp/mm)
	~ 40% (@ 2 lp/mm)
	~ 22% (@ 3 lp/mm)
DQE	(@RQA5, 30 μ Gy)
	~ 62% (@ 0 lp/mm)
	~ 20 % (@ 3 lp/mm)
Sensitivity	~ 0.62 ct/nGy
Response Non-linearity	< \pm 0.5%
Maximum Linear Dose	95 μ Gy
Dark Noise	~ 8 nGy
Dynamic Range	~ 82 dB
Greyscale	16 bits

Communication Interface	
Communication Interface	Gigabit Ethernet 2.4/5 GHz, 300 Mbps
Image Acquisition Time	2-3 s (wired)
	4-5 s (wireless)
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	4.1 kg
Housing Material	Carbon fiber front High strength aluminium alloy back
Weight bearing	150 Kg on surface area,
	100 Kg on 4 cm circle

Power	
Power Dissipation	<8 W (standby) / 20 W (operating)
Power Supply	100 - 240V AC
Frequency	50/60Hz
Battery	3260 mAh, 14.8 V

Please visit www.or-technology.com for more details

Specifications subject to revision without notice

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