

Wireless flat panel detector **XenOR 35CW**

35 x 43 cm [14" x 17"]

The compact **XenOR 35CW** flat panel detector in cassette format was developed for mobile and stationary radiography. Weighing only 3.7 kg and boasting an active area of 14" x 17" (35 x 43 cm) it provides the freedom of wireless operation. The detector with "CsI direct deposition" technology offers excellent image quality and low noise. The versatility of this portable, light-weight yet robust X-ray detector optimises any patient workflow.

- 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
- Built-in fold-down handle
- Extra long battery life with 1400 shots/charge (10 second interval between shots) and 7-hours standby time
- Active area 43.4 x 35.5 cm (14" x 17")
- Pixel pitch 154 μ m
- Pixel array 2816 x 2304
- Resolution approx. 3.3 lp/mm
- Dimensions (W x H x D)
460 x 384 x 15 mm
- Weight approx. 3.7 kg

XenOR - The art of digital X-ray imaging



Wireless flat panel detector

XenOR 35CW 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	154µm

Image Quality	
Limiting Resolution	3.3 lp/mm
MTF	~ 65% (@ 1 lp/mm)
	~ 40% (@ 2 lp/mm)
	~ 22% (@ 3 lp/mm)
DQE	(@RQA5, 27µGy)
	~ 65% (@ 0 lp/mm)
	~ 20% (@ 3 lp/mm)
Sensitivity	~ 0.50ct/nGy
Response Non-linearity	< ± 0.5%
Maximum Linear Dose	100 µGy
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	3-4 s
Exposure Control	AED and Manual

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

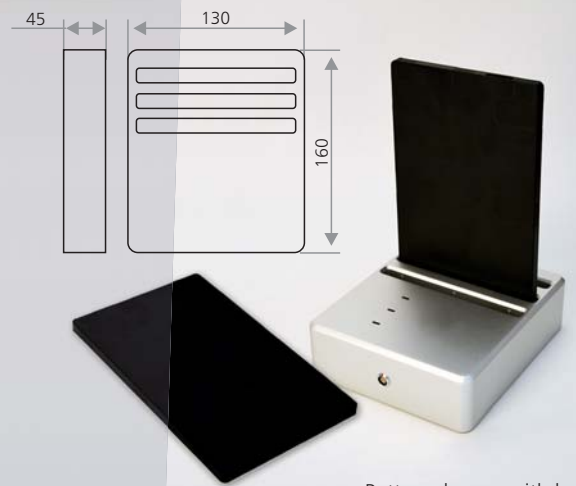
Mechanical	
Dimension	460 x 384 x 15 mm
Weight	3.7 kg
Housing Material	Carbon fiber front High strength aluminium alloy back

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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Battery charger with batteries

