OR Technology

XenOR - The art of digital X-ray imaging

Flat panel detector
XenOR 43CLe

43 x 43 cm [17" x 17"]

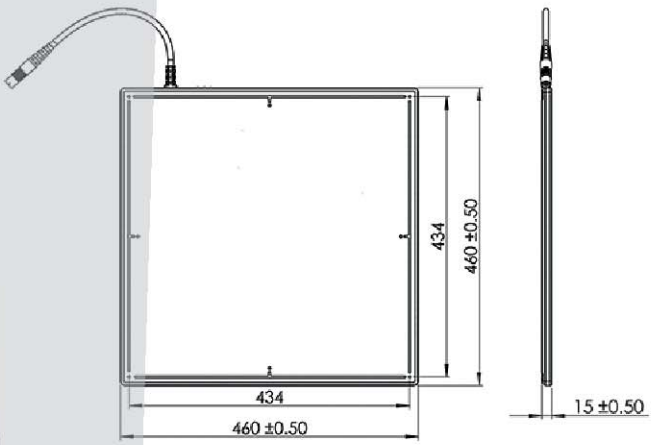
With Auto Exposure Detection (AED) and low weight, the XenOR 43CLe cabled X-ray detector in cassette format is ready for use in a wide range of applications in digital radiography. For example, the detector can be used for retrofitting existing X-ray systems. The reliable high-performance digital X-ray detector is perfectly designed for highly detailed diagnostic imaging. It is simple to install and easy to operate.

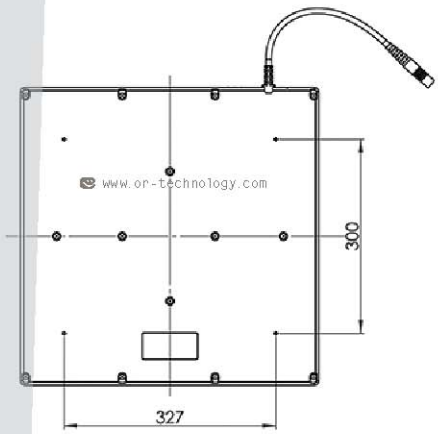
- Due to the automatic synchronisation of detector and generator by means of AED there is no need to modify the X-ray system or adapt the system or the cable connections
- "CsI direct deposition" technology optimises digital signal processing and ensures excellent image quality at alow X-ray dose
- Easy operation and integration due to a single cable for power, network andsynchronisation
- Active area 43 x 43 cm (17" x 17")
- Pixel pitch 140 μm
- Pixel array 3072 x 3072 Pixel
- Dimensions (W x H x D)
  460 x 460 x 15 mm
- Weight approx. 3.96 kg

Flat panel detector
XenOR 43CLe 43 x 43 cm [17" x 17"]

Parameter

Sensor	
Scintillator	Csl Direct Deposit
Active Area	43.0 x 43.0 cm
Image Matrix	3072 x 3072
Pixel Pitch	140 μm
Image Quality	
Spatial Resolution	3.57 lp/mm
MTF	~ 65% (@ l lp/mm) ~ 40% (@ 2 lp/mm) ~ 20% (@3 lp/mm)
DQE (RQA5, 27 μGy)	~ 65% (@ 0 lp/mm) ~ 24% (@3 lp/mm)
Dynamic Range	>80 dB
Communication	
Communication Interface	Gigabit Ethernet
Image Acquisition Time	2-4s
Exposure Control	F²AED® (Full-Field AED), Manual Sync, External Sync
Environmental	
Temperature	5 – 35 °C operating, -20 – 55 °C in storage
Humidity	30 – 75% RH operating, 10 – 90% RH in storage
Mechanical	
Dimension	46.0 x 46.0 x 1.5 cm
Weight	ca. 3.96 Kg
Housing Material	Carbon fiber imaging plate, high strength aluminum alloy body
Power	
Power Supply	100 - 250 Volts AC
Frequency	50/60 Hz
Power Dissipation	22 W operating, < 8 W in standby mode





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for more details

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