

Canon ETD X-ray detector **FDXA 4343R/A**

17 x 17 Zoll [43 x 43 cm]

The high-resolution FDXA 4343R/A from CETD is a tethered X-ray detector for digital X-ray systems. The X-ray detector fits into every conventional bucky table and wall stand system and excels with short cycle times.

Equipped with a resolution of 3.7 Lp/mm and 140 μ m pixel pitch, the FDXA 4343R/A offers exceptional image quality. The highly efficient CsI scintillator guarantees very sharp images with minimal radiation dose.

The X-ray detector consists of carbon fibers and a metal frame and is extremely stable.

- Detector based on amorphous silicon (a-Si) with PIN technology and with caesium iodide (CsI) scintillator
- Automatic synchronisation of detector and generator by means of AED - no need to modify the X-ray system and to adjust the system or the cable connections
- Pixel pitch 140 μ m
- Resolution approx. 3.7 Lp/mm
- A/D conversion 16 Bit
- Dimension ca. 459.5 x 459.5 x 15.8 mm
- Weight ca. 4.3 kg



Canon ETD X-ray detector

FDXA 4343R/A 17 x 17 Zoll [43 x 43 cm]

Parameter

Image Format	
X-ray Conversion Layer	Caesium Iodide (CsI) with Amorphous Silicon (a-Si) Photodiode
Active Area	426(H)×425(V)mm (16.8×16.7 inch)
Pixel Matrix	3040(H)×3036(V)
Pixel Pitch	140 μm
Cycle Time	Shot to Shot (Single Exposure, EXP period 500msec) 6sec.

Performance	
Limiting Resolution	3.7 Lp/mm typ.
MTF	45 % typ. (2.0 Lp/mm, 70 kVp)
DQE (DQE (0))	56% (Typ.)
A/D Conversion	16 bit

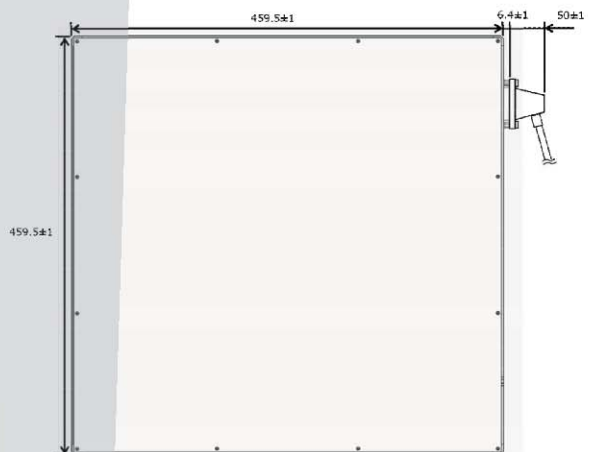
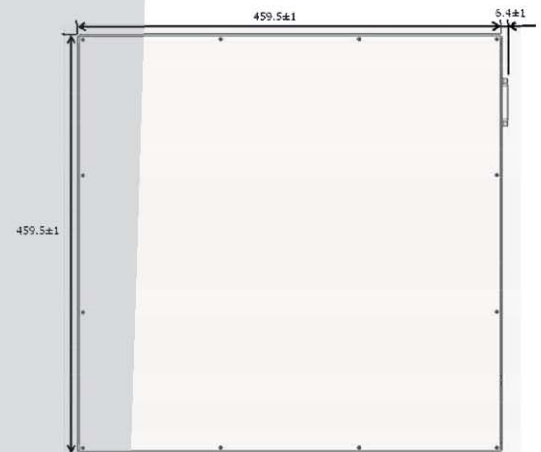
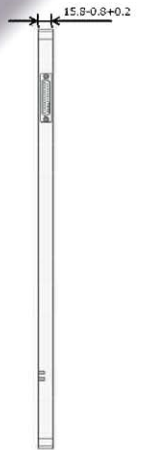
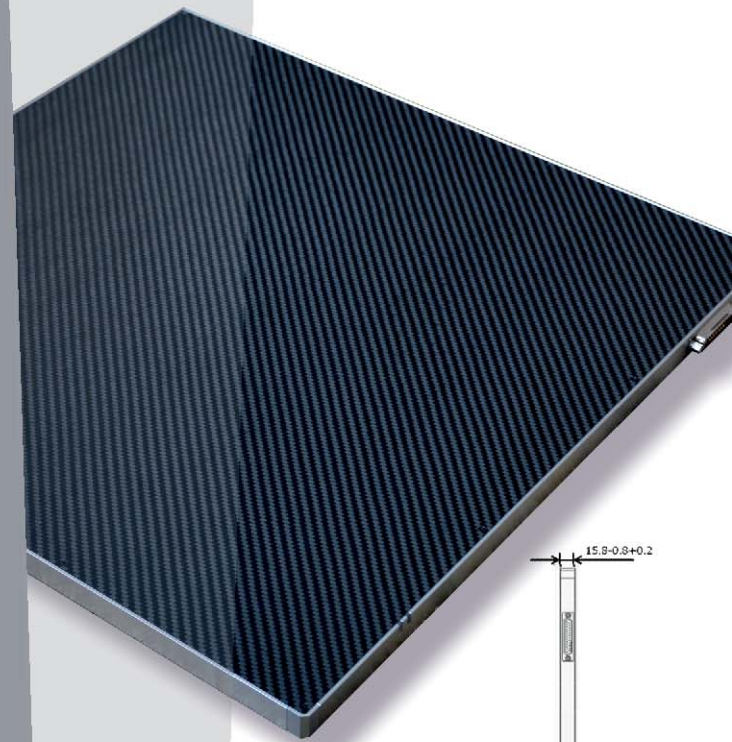
Ratings	
Energy Range	40-150 kVp
Maximum Entrance Dose (Linear Output Range)	35 μGy

Interface	
Data Output	16 bit Digital Output Ethernet (1000BASE-T)
Command Control	Ethernet (1000BASE-T)
X-ray Synchronization Control	External
Power Input	DC24V 1.3A (from Interface Box)

Flat Panel Sensor Unit	
Sensor Protection Plate	Carbon Fiber Plate
Cooling	Natural Air Cooling
Power Consumption	Maximum 15W
Overall Dimensions	459.5×459.5×15.8mm (W(H)×D(V)×H)
Weight	4.3kg (approx.)

Interface Box	
Input	AC100-240V, 50/60Hz
Output	DC24V 1.3A 30W(MAX)
Overall Dimensions	280×100×50mm (W(H)×D(V)×H)
Weight	1.1kg (approx.)

Surrounding conditions - Environmental use conditions	
Temperature	+10 to 35 °C
Humidity	0 to 85% (No dew condensation allowed)
Atmospheric pressure	70 to 106 kPa



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

Specifications subject to revision without notice

The editor strives to impart correct and up to date information. The provided specifications are based on current knowledge and are subject to revision without notice. This brochure is subject to correction. The editor assumes no responsibility for the information being up to date, correct and complete. All furnished logos, pictures and graphics are property of the particular company and subject to copyright of the licensor. Use, dissemination, distribution or copying of the pictures, logos or text compiled or processed by the editor is subject to our written consent. All rights reserved.