



vdx 4343_{TS}

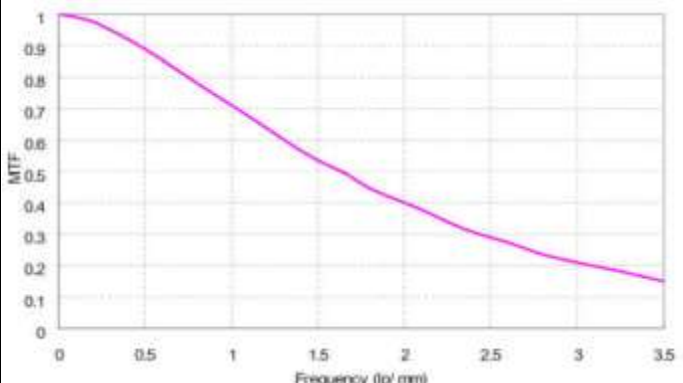
DR acquisition system with Flat Panel technology

Product Data

The *VDX 4343TS imaging system* is an image acquisition system that can be integrated with general-purpose radiology systems. Designed to improve the general X-ray diagnostic room workflow, it provides high quality images and long-term reliability. The acquisition system uses Canon FDX4343R flat panel detector which provides outstanding image sharpness and detail. The system includes:

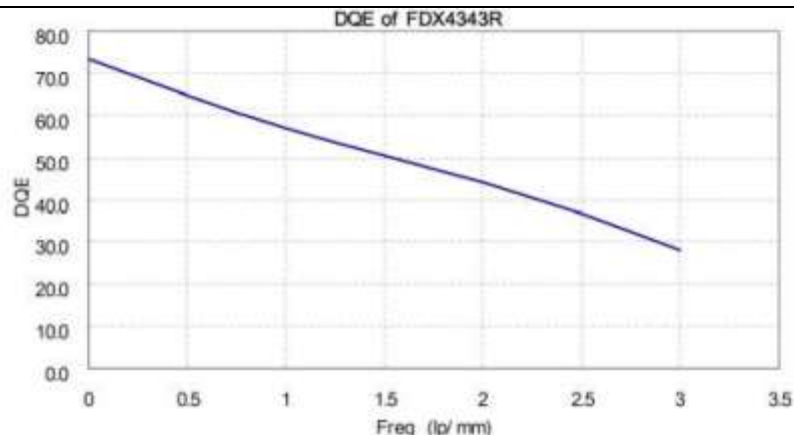
- Canon FDX4343R amorphous Silicon - Cesium Iodide scintillator detector to convert X-ray photons into a digital image (one or two detectors according to the system configuration).
- Integrated Operator Console providing full control of exposure (only with G100C generators), image acquisition, processing and DICOM functions.

Digital Detector – FDX4343R

Type	Flat Panel Detector
X-ray conversion layer	Cesium Iodide (CsI) with amorphous Silicon (a-Si) photodiode
Nominal Active Image Area	43 x 43 cm (16.9" x 16.9")
Image Resolution (lp/mm)	3.5 lp/mm (Nyquist frequency)
Image matrix size	3072 x 3072 pixels
Image depth	14-bit acquired (16384 gray levels)
Output characteristic	Linear response up to the saturation dose
X-ray dose saturation	60 μ Gy / 6800 μ R
Detector pixel size	140 μ m
TFT matrix readout time	1.22 s
Acquisition window	Up to 3200 ms in 3 steps (500 ms; 1000 ms; 3200 ms)
MTF (Modulation Transfer Function) RQA5 according to IEC 62220-1-1	




DQE – Detection Quantic Efficiency
RQA5 according to IEC 62220-1-1



Electrical features

Power supply (synchronizer)	24 Vdc
Absorbed current (synchronizer)	0.5 A
Power supply (detector)	100-240 Vac single phase, 50/60 Hz
Absorbed power (detector)	60 VA

Standards and regulations

	CE symbol grants the product compliance to the European Directive for Medical Devices 93/42/EEC and its revised versions
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Note: Products are continuously under review in the light of technical advancement. The actual specification may therefore be subject to improvement or modification without notice.

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Company with Quality System certified by



ISO 9001:2015



ISO13485:2016