



VDX 3543TW

DR acquisition system with Flat Panel technology

Product Data

The *VDX 3543TW 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 FDX3543RPW flat panel detector which provides outstanding image sharpness and detail. The system includes:

- Canon FDX3543RPW 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.

VDX 3543TW represents also a retrofit kit solution allowing the digitalization of existing general radiology systems in a very short time, following the check of the technical features of the equipment.

Digital Detector – FDX3543RPW

Type	Wireless Flat Panel Detector
X-ray conversion layer	Cesium Iodide (CsI) with amorphous Silicon (a-Si) photodiode
Image matrix size	2466 (H) x 3040 (V) pixels
Limiting resolution	3,7 lp/mm typical
MTF, typical values	36% @ 2 lp/mm
DQE, typical values	>70% @ 0 lp/mm
A/D converter	16 bit (65.536 grey levels)
Pixel size	140 μ m
Energy range	40 to 150 kVp
Acquisition window	500 ms. Tomography and Dual Energy functions are not supported
Active area	345 (H) x 425 (V) mm
Dimensions	383,5 x 459,5 x 15 mm (W x D x H)
Weight	3,1 kg
Maximum load applicable on the detector	- Maximum load weight of 150 kg distributed around the overall surface of the detector - Maximum load weight of 100 kg distributed on an area of 40 mm in diameter of the detector surface
Wireless connection	IEEE 802.11 a/b/g/n, 5 GHz
Ingress protection rating	IPX0



Rechargeable Li-ion battery

Nominal voltage	11,45 V
Nominal capacity	3400 mAh
Dimensions	245 x 130 x 8,5 mm (W x D x H)
Weight	385 g
Number of exposures at full charge	1300 exposures (500 ms acquisition window and 8 s exposure cycle time)
Autonomy	3,5 h in normal mode 6 h in sleep mode
Charging time	2,2 h


Battery charger

Number of slot	1 slot for battery charging
Dimensions	281,6 x 206,6 x 21,2 mm (W x D x H)
Weight	500 g

AC adapter for battery charger

Input	100 – 240 V AC, 1,2-0,5 A, 47-63 Hz
Output	19 V DC, 5,26 A
Dimensions	76 x 146 x 43 mm (W x D x H)
Weight	510 g

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