

DETECTOR FOR CT

DESIGNED FOR OUTSTANDING IMAGE QUALITY



The **CD300** is a **64 row detector** engineered to serve the needs of **mid-range CT systems**. Its unified nanopanel technology yields exceptional reliability. Additionally, its high signal fidelity enables excellent image quality, making the detector perfectly suited for daily routine scans.

KEY BENEFITS

Excellent imaging capabilities

- Direct integration and miniaturization create a high-fidelity signal
- Clean output signals at low dose enable further noise reduction by software algorithms

High reliability

- Automated production line for consistent, high quality product outcome
- Optimized nanopanel size for reduced thermo-mechanical stress

Easy installation

- Simple interface for a quick and easy installation
- Stable detector geometry at different rotation speeds and a wide temperature range minimize number of needed calibrations

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Specifications		CD300
Number of Rows		64
SDD (Source to Detector Distance) [mm]		1,040
Field of View [mm] (@570mm FS to ISO distance)		500
Coverage @ ISO Centre [mm] (@570mm FS to ISO distance)		40
Detector Channel Pitch Size [mm]	X Direction	1.408
	Z Direction	1.14
Total Number of Detection Elements		43,008
Weight [kg]		76
Maximum Nominal Gantry Speed [rpm]		171
Anti-Scatter Grid Type		1D

Our automated production line in a clean room environment is key to reaching the high precision and reliability of the CD300. Its simple interface facilitates a clean, straightforward system architecture. The structure of scan parameters embedded in data ensure fast data transfer. We offer the CD300 as a stand-alone product and also as an

integral part of the Xceed bundle, which includes a detector, X-ray tube, high voltage generator, anode drive, interface unit, and cables. Utilizing our extensive knowledge and experience, we help you select the right components for your needs. Our team is at your side during the development phase and throughout the entire product lifecycle.

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