Saturn 8000 17x17N

Wide and Slim Portable Flat Panel Detector for Digital Radiography



Saturn 8000 17x17N is NMI's new slim portable flat panel detector for digital radiography with wide active area of 17" x 17". It features NMI's unique wireless communication method, AP mode allows users directly connect to the detector with laptops, tablet PCs and even smart phones. Furthermore, reliable automatic X-ray exposure detection enables integration with any kind of X-ray systems. Both CsI and GADOX scintillator types are available, with both wired and wireless configurations for each scintillator type.



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Features

- * Wide active area of 17" x 17"
- * Slim and portable
- * High spatial resolution with 140um pixel array
- * Wi-Fi data transfer with dual band (2.4GHz and 5GHz)
- * Stable and reliable automatic exposure detection
- * Direct communication with smart devices
- * Viewer software running on Windows™ OS (DxWorks)

Drawing





Configuration System Control Unit Charger

Technical Specification

Application General radiography

Technology Flat panel detector: a-Si TFT with PIN diode

Scintillator CsI:TI / Gd₂O₂S:Tb Pixel Pitch 140um x 140um Spatial Resolution 3.6lp/mm

Pixels 3,072 x 3,072 pixels 17 x 17 inches (43 x 43cm) Image Size A/D Conversion 16 bit

65,536 steps Grayscale X-ray Voltage Range 40 ~ 150kVp

Line trigger: DR Trigger Mode X-ray Generator Interface Auto trigger: AED (Automatic Exposure Detection) Mode

IEEE 802.11n (2.4GHz/5GHz dual band) Wireless Interface

Wired Interface Gigabit Ethernet (1000BASE-T) via PoE (Power over Ethernet)

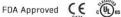
Image Acquisition Time 1 sec (Wired) / 3 sec (Wireless) Dimensions 460 (W) x 460 (L) x 15 (T) mm Weight Approx. 4.1kg (GADOX) / 4.2kg (Csl)

15 ~ 35°C, 30 ~ 85% RH (non-condensing) Operating Environment

Power DC24V, 0.8A, Max. 20W

Battery Lithium Ion / 3,100mAh x 2 = 6,200mAh

^{*} Specifications are subject to change without prior notification.







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