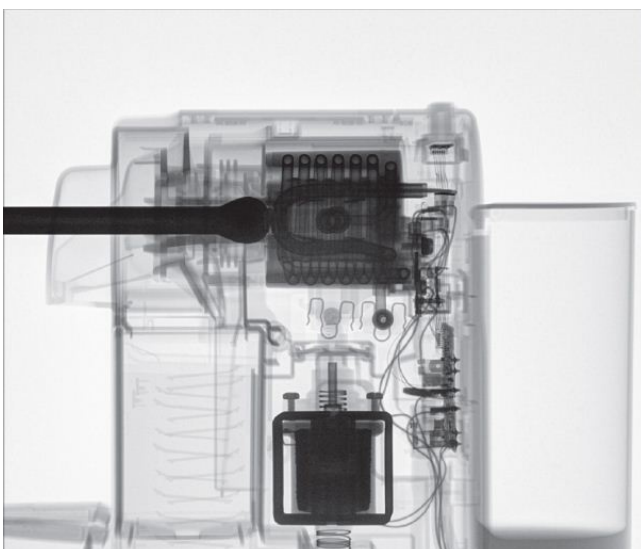


FLAT PANEL X-RAY SYSTEM NEOS III



Flat panel 13" x 10"

Panel with built-in 50 m wireless communication system

Communication panel / computer with interface ASYRMATOS

wired - 50 à 200 m

radio - 400 m

Generator control

wired

FLAT PANEL X-RAY SYSTEM NEOS III

NEOS III is our latest small format DR imaging system specifically designed to withstand the rigors of harsh environments. The imager housing is cast Mg and includes shielding to allow use with higher X-ray energies. The design of the NEOS III provides shock, vibration, and water ingress protection giving users unparalleled confidence in the system's performance wherever the job site is located. The system also offers the advantages of built in wireless communications and a removable battery that provides two hours of operation for situations where ultra-portability and short-range communications are desirable.



Ideally suited for dismantled operations, the NEOS III is the lightest DR system provided by Logos Imaging. With a built in battery and internal wireless communication, the NEOS III is perfect for users that want to quickly assess an item. At 3.3 kg and only 18 mm thin, the NEOS III can be easily transported on target with minimal effort. The NEOS III produces high resolution 16-bit images and is shielded for up to 330 kV sources.

In environments where wireless communication is acceptable, the entire imaging system consists of only a flat panel detector, an operating PC, LIA Security software, and carrying case. In full wireless mode, the NEOS III can operate for up to two hours on a single battery charge. The system includes two batteries for a total of up to four hours of operation on a single battery charge. Batteries are easily changed in the field and are charged with the supplied dual battery charger.



With a wireless range of 50 m using only the PC or tablet internal wireless card, users can work safely in almost any environment. When longer battery life and extended wireless range or wired operation are required, the ASYRMATOS II interface provides up to even hours of additional battery life (the system can also be operated continuously when mains power is available at the PC workstation), and 400 m wireless range or up to 200 m wired range.

TECHNICAL DATA

Technology : Amorphous Silicon with TFT
 Scintillator : Gadox
 Pixel Area : 32.5 x 26.0 cm, 12.8" x 10.2"
 Pixel Matrix : 2560 x 2048 pixels
 Pixel Size : 127 µm
 Limiting Resolution : 3.9 lp/mm
 AD Conversion : 16 bits
 Communications Interface Wireless : 2.4 GHz (5 GHz Optional) & Wired LAN
 Communications Range : Wireless 50 m or up to 400 m with interface (using 2.4 GHz), Wired option 50 m to 200 m
 Image Transfer : Wired 5 seconds, Wireless 9 seconds
 X-ray Energy Range : 40 - 330 kV
 Weight : 3.3 kg (7.3 lbs)
 Dimensions (Panel) : 38.5 x 32.0 x 1.8 cm (15.2" x 12.6" x 0.7")
 Power : 100-240 VAC (50-60 Hz), 2A using included power supply, 14.4 V, 93 Wh, Li-Ion hot-swappable battery pack
 Operating Temperature : -20 to 50 °C (Wired), 0 to 40 °C (Wireless)
 Storage Temperature : -20 to 50 °C
 PC Specs (Minimum) : Core i7 Processor, 4 GB RAM, 500 GB hard disk, 14" 1600 x 900 display, Windows 7 Professional

A full NEOS III system in lightweight, backpack configuration weighs under 10 kg.