

GE
Measurement & Control

Portable, Wireless and Robust.



Inspection Technologies Wireless Digital Detectors

Enabling the inspection of field installations to be more flexible and efficient.



GE imagination at work



DXR250C-W: Engineered for Industrial Radiography

The DXR 250C-W portable detector combines GE's unrivalled wealth of experience and expertise in medical and industrial radiography. This new digital detector is specifically designed to meet the demanding requirements of industrial radiographic inspections.

- Reduced exposure time for increased personal safety.
- Reduced barricade time on units to inspect for optimized process safety.
- Reduced setup time for maximized productivity.

The system set-up, image acquisition and data processing is simplified with powerful Wi-Fi communication modes



Choice of semi- or fully ruggedized notebooks for harsh environment operations. Pre-installed Rhythm software for enhanced analysis capabilities with instant image review

Ruggedized detector with 1.4mm pixel pitch with optimized image quality, wide dynamic range and dose efficiency



Compact & Portable

The 8"x8" detector weighs just 3,5 kg (7lb) and has a thickness of only 25 mm (0.98"). Ideal for places which offer difficult access and where utmost portability is needed.



Wireless

The detector uses wireless and battery-operating technology. Simplifying handling and operation. And leading to overall productivity gain for its users.

- Robust wireless operation (802.11 g, up to 80 m communication range, WEP2 security) with online wireless strength, detector temperature and remaining detector battery power monitoring
- Access Point mode with portable access point for extended range
- Ad-hoc communication for fast image transfer
- Optional power saving mode to increase battery usage

Ruggedized hard-cover for mechanical protection, easy transportation and installation in industrial set-ups



Hot-swappable Li-Ion battery with inbuilt remaining power indicator



Battery charger for fast-charging and battery recalibration

Detector with 8 x 8" GOS scintillator, 200 µm optimized imager design for excellent dynamic range and improved performance with both X-rays and Gamma-rays

The Power of Rhythm

The new **Rhythm RT DR Acquire** provides additional functionality for portable wireless detectors and allows operators to acquire images in a non-proprietary and reliable DICONDE format.

A new wireless—dashboard for ease of operations and troubleshooting includes tools to determine detector connectivity and to monitor relevant conditions such as wireless signal strength or battery status. New acquisition modes such as synchronized operation for pulsed X-ray sources and increased exposure time per frame to up to 150 sec, enables the detector to expand in new applications.



Together with **Rhythm Review** the entire portfolio of image enhancement-, administration-, reporting- and archive-modules can be accessed on one DICONDE compliant platform (Enterprise Archive, Flash!Filters, Wall Thickness-Measurement, Report Generators, etc.) and adapted to the individual customer workflow and application needs.

Rhythm RT Lite: A special entry-level version of Rhythm that supports simple, intuitive out-of-the-box image acquisition and processing.

Both portable wireless detectors can be used with the full DICONDE compatible Rhythm RT Lite and open up a path to digital inspection in a very economical way.

Robust

With its industrial packaging and ruggedized design, the DXR250C-W handles the toughest environments.

- Ruggedized design with aluminum housing and shock absorbing panel support (shock, water and dust protected housing) with additional rugged perimeter bumper
- Carbon fiber front window
- Shielded electronics for improved radiation protection
- Optional hard-shell with additional tie-off points and shock bumpers for additional mechanical protection
- Extended operating temperature range
- Industrial power supply with On/Off switch and detachable tether

Key Segments and Applications

- Mechanical integrity for small, medium and large sized parts
- Wall thickness, corrosion, erosion
- Weld quality
- Pipe and tube quality
- Heat exchangers
- Small and large bore piping
- Pipe supports touch point corrosion
- Rope access in all types of petro-chemical and other industrial environments

Flexible Operating Modes

- Both detectors can be operated from hot-swappable on-board battery or from the optional power supply
- Wireless configurations with ad-hoc or access point hosted communication

DXR250U-W: Optimized for a wide range of radiographic inspections

The DXR250U-W builds up on the established application space of GE's portable 16x16" detector series DXR250V. The new detector utilizes the same wireless and battery technology of the DXR250C-W. This extends the use to a versatile digital inspection system especially for medium to larger objects.

Optimized battery, wireless technology and packaged for the toughest environments, the DXR250U-W will deliver additional productivity for radiography inspections in the field. DXR250U-W is fully compatible to most DXR250C-W accessories and Rhythm installations.



200 μm , GOS, 16x16" digital imager with optimized scintillator for better dose efficiency and shorter exposure times

802.11 g wireless operation in ad-hoc and access point mode

Ruggedized design with shock absorbing panel support and carbon fiber front window

On-board battery with extended life time

Industrial packaging, ruggedized accessories (hard-cover, power supply)

Extended operating temperature range

Universal & Portable

Even with a larger imager size of 16"x16" the detector weighs only 5 kg (11 lbs) and has a thickness of only 26 mm (1.02"). The detector can be used for a wide range of radiographic applications covering medium to large sized objects. Extended by its wireless capabilities and the portable design, the detector is qualified as universal inspection device for a broad range of industrial inspections in the field.





Accessories

		
Ruggedized hard-cover	Semi-ruggedized mobile Rhythm workstation HP 8770W	Ruggedized mobile Rhythm workstation Panasonic Toughbook CF-53
		
Carrying case	Power supply	Battery charger
		
Battery	Portable wireless router / access point	Soft-case*

* only for DXR250C-W

Technical Specifications*

Detector	DXR250C-W	DXR250U-W
Flat Panel Type	Amorphous silicon	
Scintillator Material	Gadolinium oxysulfide (GOS)	
Active Area (approx.)	200 mm x 200 mm	405 mm x 405 mm
Image Format	Full: 1024 x 1024 / Binned: 512 x 512 / center Region of Interest: 512 x 512	Full: 2048 x 2048
Pixel Pitch	200 µm	
A/D Conversion	14 bits	
Min. Exposure Time	130 ms	
Max. Exposure Time	150 sec	
Interface	Gigabit Ethernet (separate line) WIFI 802.11g (adhoc / Access Point)	100 Mbit Ethernet combined with battery plug WIFI 802.11g (adhoc / Access Point)
Dynamic Range	10,000 : 1	
Dimensions	408 mm x 257 mm x 25 mm (16.06" x 10.12" x 0.98") (30 mm in the battery bay area)	600 mm x 460 mm x 26 mm (23.62" x 18.11" x 1.02") (28 mm in the battery bay area)
Weight	3.5 kg (7 lb) (including battery, without hard-shell)	5 kg (11 lb) (including battery, without hard-shell)
Operating Temperature	-20°C to 50°C (reduced dynamic range at higher temperatures in this range)	
Storage Temperature	-40°C to 70°C (-40°F to 158°F)	
Operating Humidity	RH, 10-90% non-condensing	

Power Supply

Voltage	Input: 100-240 V, 50-60 Hz Output: 12 V DC
Dimensions	105 x 60 x 240 mm (4.13" x 2.36" x 9.45")
Weight	0.7 kg (25.7 ounces)
Tether	Detachable, length 3 m (10 ft)

Battery Charger

Type	Two bay, level-3, stand alone battery charger compliant with Smart Battery System (SBSBus)
Power Supply	Input 30 V DC, including wide-range power supply
Features	Sequential charging Battery calibration in left bay LED status indicator
Dimensions / Weight	175 x 124 x 58 mm (6.89" x 4.89" x 2.30") 440 g (15.5 ounces)

Battery

Type	Lithium Ion
Rating	11.1 V, 1.85 Ah, 21 Wh
Features	Charging status indicator

Portable Wireless Router / Access Point

Type	150 Mbps portable battery / USB powered wireless router
Wireless Features	IEEE 802.11b, IEEE 802.11g, IEEE 802.11n 2.4 - 2.4835 GHz Supports 64/128 bit WEP, WPA-PSK/WPA2-PSK, Wireless MAC Filtering, Enable/Disable, SSID Broadcast
Power Supply	Internal 2000 mAh rechargeable battery, 5 V DC / 1.0 A external power adapter, Micro USB
Dimensions / Weight	100 x 62 x 16 mm (3.9" x 2.4" x 0.6") 94 g (3.3 ounces)

* Subject to change without further notice



www.ge-mcs.com

GEIT-40056EN (09/13)

DXR250P

Direct Radiography

Designed for field use, the DXR250P provides a compact digital radiography solution that is ready to be deployed in some of the most challenging environments. The portability of the DXR250P allows for use in applications that have been previously limited to computed and film radiography. DXR250P enables shorter exposure times and instant image review, reducing the need for re-shooting of images and leading to overall productivity for users.

Features and Benefits

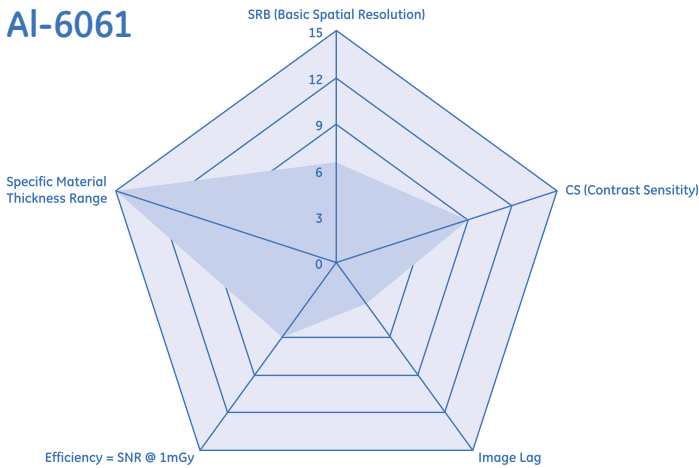
- Highly efficient CsI scintillator requiring minimal dose to produce premium images
- Lightweight, thin packaging allowing for maximum accessibility
- Detachable quick disconnect tether cable for easy set-up
- Ruggedized covering and carrying case for field deployment (optional)

Applications

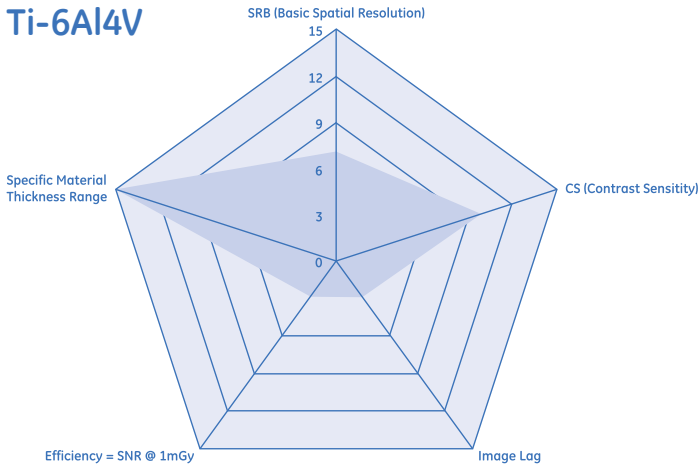
- Erosion corrosion
- Flow assisted corrosion
- On-wing
- Foreign object detection



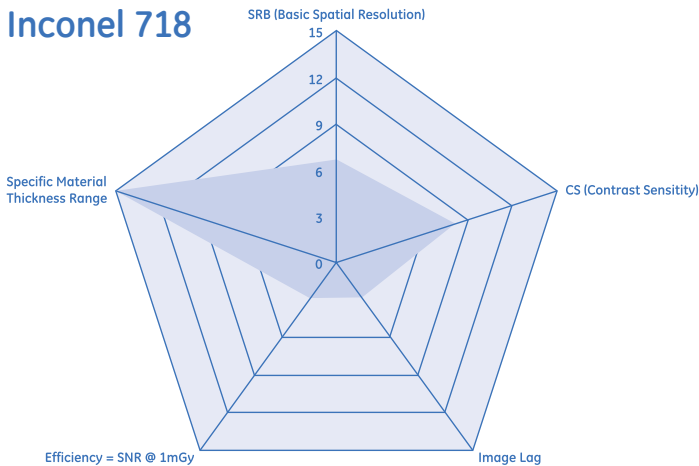
Al-6061



Ti-6Al4V



Inconel 718



Detector Characterization Charts

The detector characterization charts provided on the left are completed in accordance to ASTM E2507-07 Standard Practice for the Manufacturing Characterization of Digital Detector Arrays. This standard allows for the direct comparison of DDAs by ensuring data is collected and reported in a consistent and specified manner. The standard also enables guidance for the appropriate pairings of detectors with applications.

Pixels are identified as bad per one or more of the seven definitions described in the ASTM E2597-07 document. The pixels marked as bad will be corrected through GE's software utilizing data collected from good neighborhood pixels.

Technical Specifications

Detector Specifications

Flat Panel Type	Amorphous Silicon
Scintillator Material	CsI
Active Area (approx.)	410 x 410 mm (16 x 16 in)
Image Format	2048 x 2048
Pixel Pitch	200µm
A/D Conversion	14 bits
Min Exposure Time	130 ms
Interface	Gigabit Ethernet
Dynamic Range	10,000:1
Dimensions	585 x 465 x 27mm
Weight	6 kg (13 lb)
Operating Temperature	10° to 35° C (50° to 95° F)
Operating Humidity	10-90% non-condensing

Power Supply

Voltage	100-240V, 50-60Hz
UT Output Connector	163 x 287 x 56 mm (6 x 11 x 2 in)
Weight	3 kg (7 lb)



www.gesensinginspection.com

GEIT-40048EN (01/10)

DXR250V

Direct Radiography

Designed for field use, the DXR250V provides a compact digital radiography solution that is ready to be deployed in some of the most challenging environments. The portable DXR250V is an entry-level detector that allows users to apply digital radiography to applications previously limited to computed and film radiography. DXR250V enables shorter exposure times and instant image review, reducing the need for re-shooting of images and leading to overall productivity for users.

Features and Benefits

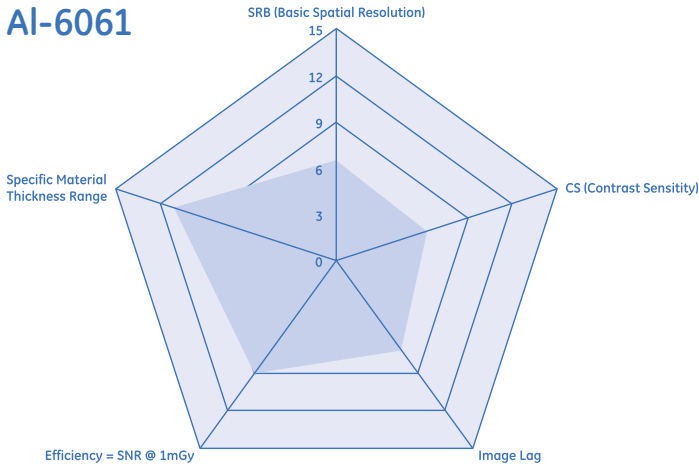
- Lightweight, thin packaging allowing for maximum accessibility
- Detachable quick disconnect tether cable for easy set-up
- Ruggedized covering and carrying case for field deployment (optional)

Applications

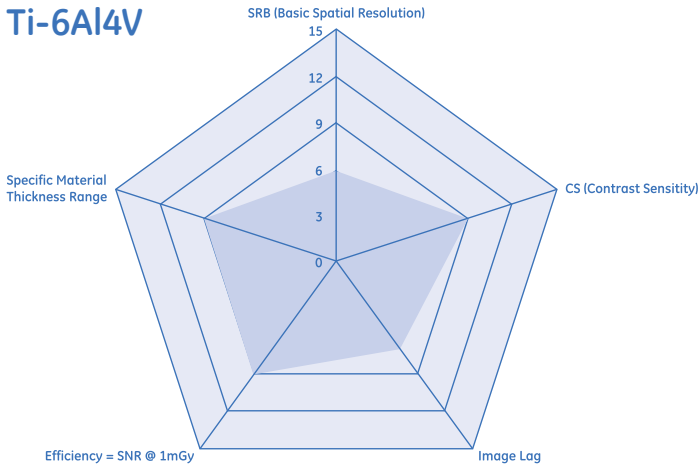
- Erosion corrosion
- Flow assisted corrosion
- On-wing
- Foreign object detection



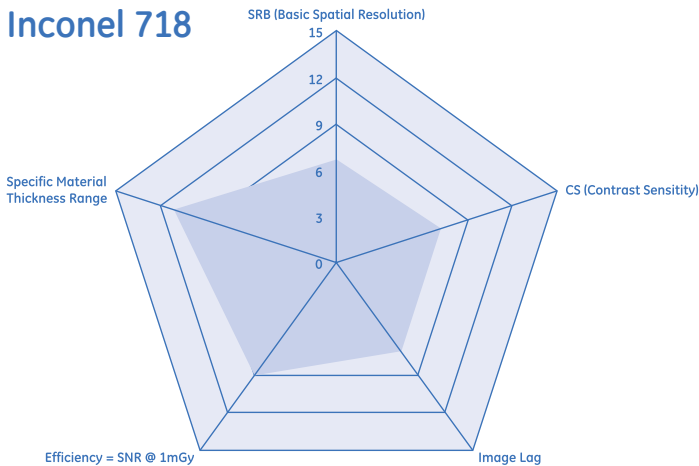
Al-6061



Ti-6Al4V



Inconel 718



Detector Characterization Charts

The detector characterization charts provided on the left are completed in accordance to ASTM E2597-07 Standard Practice for the Manufacturing Characterization of Digital Detector Arrays. This standard allows for the direct comparison of DDAs by ensuring data is collected and reported in a consistent and specified manner. The standard also enables guidance for the appropriate pairings of detectors with applications.

Pixels are identified as bad per one or more of the seven definitions described in the ASTM E2597-07 document. The pixels marked as bad will be corrected through GE's software utilizing data collected from good neighborhood pixels.

Technical Specifications

Detector Specifications

Flat Panel Type	Amorphous Silicon
Scintillator Material	GOS
Active Area (approx.)	410 x 410 mm (16 x 16 in)
Image Formate	2048 x 2048
Pixel Pitch	200µm
A/D Conversion	14 bits
Min Exposure Time	130ms
Interface	Gigabit Ethernet
Dynamic Range	10,000:1
Dimensions	585 x 465 x 27mm
Weight	6 kg (13 lb)
Operating Temperature	10° to 35° C (50° to 95° F)
Operating Humidity	10-90% non-condensing

Power Supply

Voltage	100-240V, 50-60Hz
UT Output Connector	163 x 287 x 56 mm (6 x 11 x 2 in)
Weight	3 kg (7 lb)



www.gesensinginspection.com

GEIT-40050EN (03/10)



- ✦ Wired and Wireless Operation Standard
- ✦ Large Imaging Area, 14"x17" (360 x 432 mm)
- ✦ Ultra Thin, 0.6" (15 mm)
- ✦ Easily Attaches to a Tripod with Standard Equipment
- ✦ High Image Resolution, 150 μm Pixel Size
- ✦ Hot-Swappable Batteries

ORAMA
Οραμα



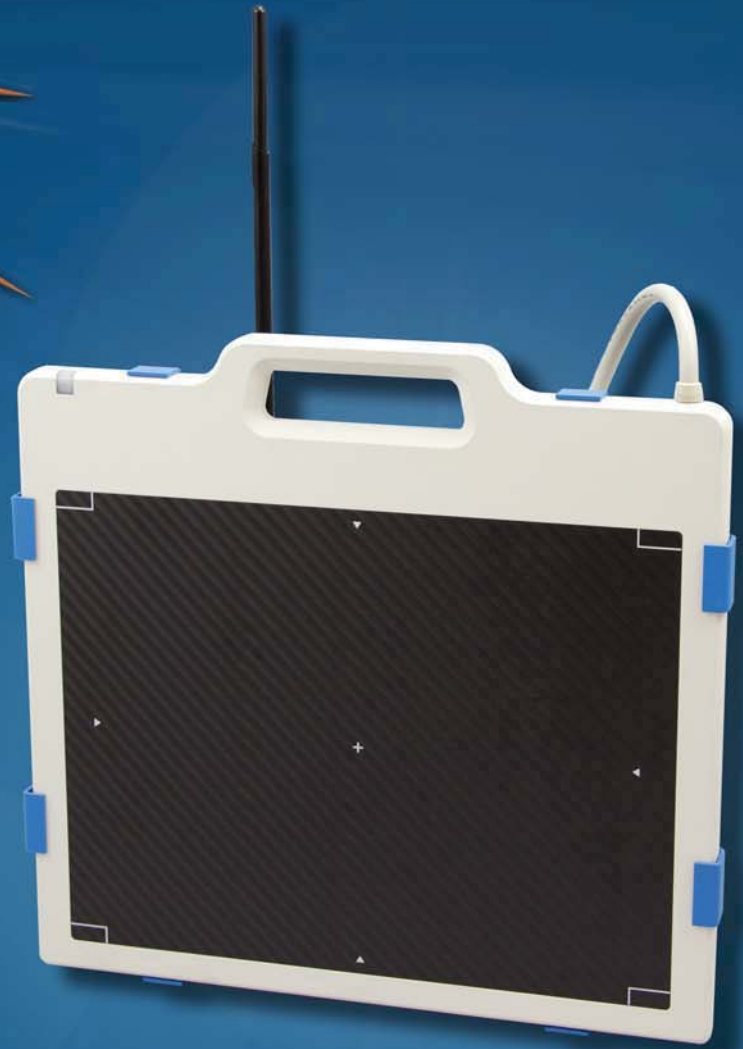
ORAMA

The ORAMA is a portable digital x-ray flat panel detector that generates high-resolution, high-sensitivity digital images. The complete x-ray imaging system consists of a scintillator directly coupled to an a-Si TFT sensor, an operating PC (available as an option), LIA image acquisition and enhancement software, wireless and wired computer to panel interface, X-ray machine (available as an option), and Pelican carrying case.

Technology	Flat Panel Detector Assembly Csi a-Si TFT- Pin diode
Pixel size	150 um
X-ray sensitive area	360 x 432mm (14" x 17") 2,400 x 2,800 pixels
AD Conversion	14 bits
Grayscale	16,384
Communications interface	Wireless or Wired LAN
Dimensions (W x L x H)	491 x 480 x 15mm 19.3" x 18.9" x 0.6"
Weight	3.8 kg 8.4 lbs
Power	100-240 VAC (50-60 Hz) using included power supply 18.5 V, 5,200 mAh, Li-Ion hot-swappable battery pack 18.5 V, 2,600 mAh, Li-Ion internal backup battery
Operation Environment	+10 to +40° C 30 to 75% RH (Non-Condensing)
PC Requirement	At least Intel Pentium IV HT with 2.8GHz, Intel Core Duo / Core 2 or comparable AMD Dual Core processor At least 2 GB RAM At least 40 GB hard disk Windows XP Professional or higher Ethernet Adapter



DETEK, Inc.
6805 Coolridge Drive
Temple Hills, MD 20748-6940
800-638-0554 **FAX 301-449-7011**
www.detek.com sales@detek.com



- ✦ Wired and Wireless Operation Standard
- ✦ Easily Attaches to a Tripod with Standard Equipment
- ✦ High Image Resolution, 127 μm Pixel Size
- ✦ Hot-Swappable Batteries
- ✦ Compatible with All 5 Pin Golden Engineering Sources
- ✦ Logos Software Platform

NEOS



NEOS

Logos Imaging's NEOS portable, Direct Radiography (DR) imaging system is a lightweight, man or robot deployable, EOD/IEDD solution. With its superb image resolution, wide image format, and fast image acquisition, the NEOS system is an ideal, cost-effective digital x-ray tool for your everyday imaging needs.

Weighing less than 15 pounds with the tripod mount, hot-swappable battery, and interface, the NEOS can be deployed by one person in less than five minutes. Once deployed, the NEOS hot-swappable battery system allows users to operate the system all day with no down time even when 100/220v power isn't available.

Already have a Logos Digital Imaging System? NEOS utilizes the same Logos Imaging software, version 6 and above, that you are currently using. No need to have two laptops: one software platform, two different imaging solutions.

The complete NEOS system, including the optional computer and Golden Engineering XR200 or XRS-3 x-ray machine, fits in one carrying case.

The NEOS system includes full wired and wireless capabilities. Wireless communication between the imager and the computer, as well as wireless firing for Golden Engineering X-ray machines is included in the base NEOS system. There is no need to buy additional wireless accessories.



Shown with interface attached. Interface quickly disconnects from panel reducing thickness to approximately one inch.



NEOS

Specifications

Technology
Pixel size
Pixel area (active)

Pixel matrix
AD Conversion
Grayscale
Dynamic Range
Communications interface

Amorphous Silicon, Csl: TI
127 μ m
264 x 325 mm
10.4" x 12.8"
2,080 x 2,560 pixels
14 bits
16,384
>73 dB
Wireless or Wired LAN



Power

100-240 VAC (50-60 Hz) using included power supply
18.5 V, 5,200 mAh, Li-Ion hot-swappable battery pack
18.5 V, 2,600 mAh, Li-Ion internal backup battery

Dimensions (W x L x H)

403 x 422 x 22 mm
15.9" x 16.6" x 0.9"

Weight (panel only)

3.5 kg
7.7 lbs

Weight (panel & interface)

6.6 kg
14.5 lbs

PC Requirement

At least Intel Pentium IV HT with 2.8GHz, Intel Core Duo /
Core 2 or comparable AMD Dual Core processor
At least 2 GB RAM
At least 40 GB hard disk
Windows XP Professional or higher
Ethernet Adapter



DETEK, Inc.

6805 Coolridge Drive
Temple Hills, MD 20748-6940

800-638-0554 **FAX 301-449-7011**
www.detek.com sales@detek.com



- ✦ Quick Release Panel Mount, Single Approach Delivery of All Equipment
- ✦ Full Wireless, No Additional Equipment Required
- ✦ Controls and Powers the NEOS and ORAMA DR Systems
- ✦ Hot-Swappable Batteries Allow All Day Use
- ✦ Battery Fuel Gauge So You Know the Charge Status

ΑΣΥΡΜΑΤΟΣ



ΑΣΥΡΜΑΤΟΣ

The Asýrmatos interface is a three part system that controls and provides power to Logos DR panels. The standard interface system allows users to operate the NEOS and ORAMA in full wireless or wired modes. In wireless mode, the hot-swappable battery provides the interface with day-long operation and a wireless communication range of over 300 yards even when the radio is set in short-range mode.*

The wireless x-ray firing module connects to any Golden Engineering x-ray machine fitted with a 5-pin LEMO connector** to allow full wireless x-ray control from within the Logos Imaging Application. The module receives power from the Golden machine and does not require batteries of its own.

The PC-side interface connects to the notebook computer and wirelessly transfers commands between the PC and the DR panel. In wired operation mode, the computer interface is not required.

The panel-side interface connects to the DR panel and wirelessly transfers commands between the DR panel and the PC-side interface. In wired operation mode, the panel-side interface connects directly to an Ethernet port on the PC using the network cable included with the system.

*If your applications require extended range wireless communication, Logos can configure the system's existing wireless radios to meet your requirements at no additional cost.

**If your Golden XR200 or XRS-3 does not have a 5-pin connector, Logos can update the X-ray machine with a membrane switch control and 5-pin connector.



Shown with interface attached. Interface quickly disconnects from panel reducing thickness to approximately one inch.



ΑΣΥΡΜΑΤΟΣ

Specifications

PC-Side

Communications Interface	Wireless or Wired LAN
Dimensions	159 x 165 x 54 mm (6.3" x 6.5" x 2.1")
Weight	1.0 kg (2.3 lbs)
Antenna	2.4 GHz 9 dBi Rubber Duck (N-Type Female Connector)
Wireless Data	802.11, 2412-2462 MHz
Wireless Data Approvals	FCC, IC, CE
Power	100-240 VAC (50-60 Hz), 3A using included power supply 18.5 V, 2,600 mAh, Li-Ion internal backup battery
Battery Endurance	Eight hours continuous operation (1,000+ image acquisitions)

Panel-Side

Communications Interface	Wireless or Wired LAN
Dimensions (with ext battery)	177 x 248 x 99 mm (6.95" x 9.75" x 3.91")
Weight (with ext battery)	3.1 kg (6.8 lbs)
Antenna	2.4 GHz 9 dBi Rubber Duck (N-Type Female Connector)
Wireless Data	802.11, 2412-2462 MHz
Wireless Data Approvals	FCC, IC, CE
Wireless X-ray	IEEE 802.15.4, 2.4 GHz
Wireless X-ray Approvals	FCC, IC, CE
Power	100-240 VAC (50-60 Hz), 3A using included power supply 18.5 V, 5.200 mAh, Li-Ion hot-swappable battery pack 18.5 V, 2,600 mAh, Li-Ion internal backup battery
Battery Endurance	
External Battery	Four hours continuous operation (500+ image acquisitions)
Internal Battery	Two hours continuous operation (250+ image acquisitions)

X-Ray Firing Module

Dimensions	98 x 64 x 34 mm (3.9" x 2.5" x 1.4")
Wireless X-ray	IEEE 802.15.4, 2.4 GHz
Wireless X-ray Approvals	FCC, IC, CE
Power	5V from Golden X-ray machine



DETEK, Inc.

6805 Coolridge Drive
Temple Hills, MD 20748-6940

800-638-0554 FAX 301-449-7011
www.detek.com sales@detek.com



ΑΣΥΡΜΑΤΟΣ

Specifications

(continued)

Battery Charger

Dimensions 158 x 86 x 52 mm (6.22" x 3.39" x 2.05")

Weight 900 g (1.9 lbs)

Input

Voltage

Minimum 100 Vrms

Normal 115/230 Vrms

Maximum 240 Vrms

Frequency 47-63Hz

Current 3.15A (Max)

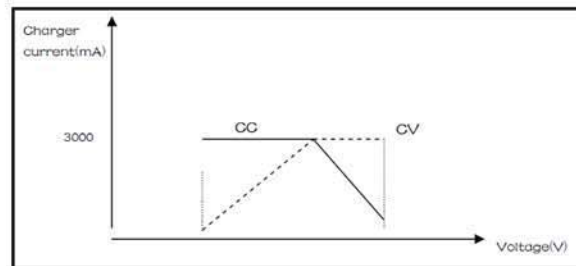
Inrush current 115V/40A (max.), 230V/80A (max.) at 25C at cold start

Power efficiency 80% (min.) at full load, 110Vac or 230Vac 50Hz

Output

Charge curve

(CC @3A, CV@ 21 +/- 1%V)



Output voltage 21 +/- 1%V at standby

Environment

Ambient operation temp 0C to +40C

Ambient operation RH 20% to 85%

Ambient storage temp -40C to +70C

Ambient storage RH 10% to 95%



DETEK, Inc.

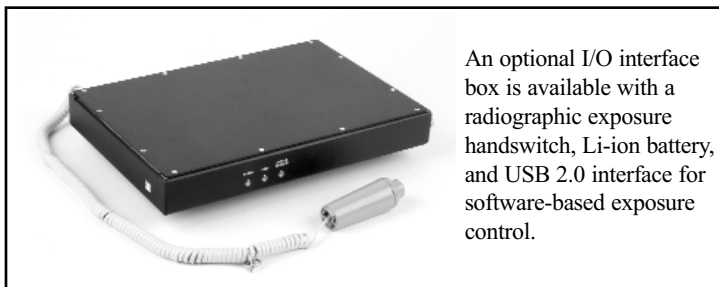
6805 Coolridge Drive
Temple Hills, MD 20748-6940

800-638-0554 FAX 301-449-7011
www.detek.com sales@detek.com



Product Description

The PaxScan 2520E+ is a ruggedized X-ray imaging sub-system designed for high-speed radiographic imaging in the field. Based upon the new Gigabit Ethernet interface standard, images are displayed instantaneously on a user-supplied workstation or laptop fitted with the appropriate Gigabit controller chipset. The lightweight magnesium housing is shock-resistant.



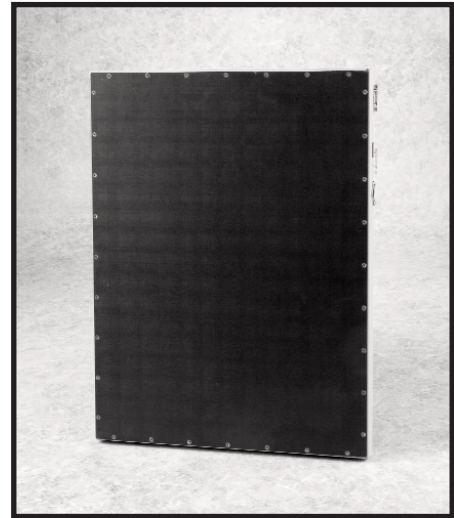
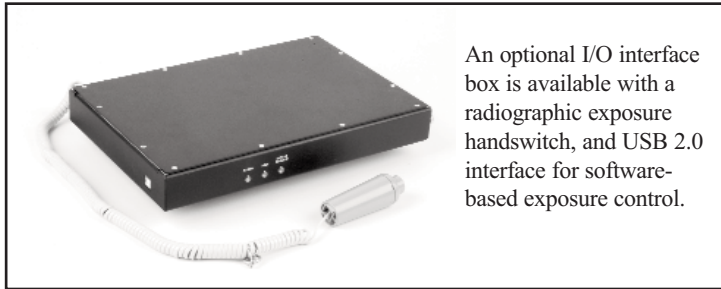
An optional I/O interface box is available with a radiographic exposure handswitch, Li-ion battery, and USB 2.0 interface for software-based exposure control.

Technical Specifications

Receptor Type	Amorphous Silicon	Software	
Conversion Screen	CsI, DRZ Plus, or Gd ² O ₂ S: Tb (Kodak Lanex Screen)	The software release includes ViVA™, a basic application for image acquisition and viewing on an end-user workstation or laptop running Microsoft® Windows™. The developer's software package includes a "Virtual Command Processor" software interface that performs detector calibration, receptor set-up, image acquisition, and image corrections. ViVA™ includes file translators for .viv, .raw, .jpg, and .bmp formats. Windows® XP compatible.	
Pixel Area	Total 19.5 x 24.4 cm (7.68 x 9.6 inch) Active 17.9 x 23.8 cm (7.05 x 9.38 inch)	Environmental	
Pixel Matrix	Total 1,536 x 1,920 Active 1,516 x 1,900	Shock	High-shock tolerance
Pixel Pitch	127 μm ²	Temperature Range - Operating	1°C to 35°C (max.) (Ambient) - Storage
Limiting Resolution	3.94 lp/mm		-20°C to +70°C
MTF, X-Ray	≥48% 1 lp/mm, Gd ₂ O ₂ S:Tb screen (80 kVp)	Humidity - Operating (non-condensing)	10 to 90%
Energy Range	40 - 150 kVp	Storage (non-condensing)	10 to 90%
Fill Factor	57%	Regulatory	
Image Capture	Intel PRO/1000MT Desktop Adaptor (PCI) (Customer supplied)	Classified by Underwriters Laboratories, Inc. to UL 60601-1, IEC 60601-1, CSA 22.2 No. 601.1-M90, and CE.	
Scan Method	Progressive	Mechanical	
A/D Conversion	14-bits	Size	17.03 x 9.26 x 1.01 inch [43.26 x 23.52 x 2.57 cm]
Frame Rate	1-10 fps (1 x 1) (Workstation dependent)	Weight (with cables)	7.3 lbs. (3.3 kg)
Data Output	Gigabit Ethernet	I/O Interface Box (optional)	5.15 lbs. (2.34 kg)
Laptop/PC Interface	Ethernet Port	Housing Material	Magnesium
Exposure Control	USB port on host computer	Sensor Protection Material	Carbon fiber plate (2.5 mm thick) and magnesium
		Power	
		Power Dissipation	15 watts (cont.) 16 watts (max.)
		Power Supply/Adaptor	+12 VDC

Product Description

The PaxScan[®] 4030E is a digital X-ray imaging system designed for high-speed radiographic imaging in the field. Based upon the new Gigabit Ethernet interface, images are displayed instantaneously on a user-supplied PC running Varian ViVA[™] application software.



Technical Specifications

Receptor Type	Amorphous Silicon	Software	Varian ViVA [™] application software for image correction, viewing, image mosaic, and calibration. Includes file type translators for .viv, .raw, .jpg, and .bmp file formats. Windows [®] XP compatible.
Conversion Screen	DRZ Plus	Environmental	Temperature Range - Operating
Pixel Area	Total	29.3 x 40.6 cm (11.5 in. x 16.0 in)	10°C to 35°C (max.)
	Active	29.1 x 40.5 cm (11.5 in. x 16.0 in)	(Ambient) - Storage
Pixel Matrix	Total	2,304 (h) x 3,200 (v)	Humidity
	Active	2,304 (h) x 3,200 (v)	10 to 90%
Pixel Pitch	127 μm	Storage (non-condensing)	10 to 90%
Limiting Resolution	3.94 lp/mm	Regulatory	
DQE (with DRZ Plus)	> 30%	U.S.	UL60601-1
MTF, X-Ray (with DRZ Plus)	>45% (1 lp/mm)	Canada	CSA 22.2 No.601.1-M90
Energy Range	40 - 150 kVp	Mechanical	
Fill Factor	57%	Size	45.0 x 33.7 x 3.4 cm
Contrast Ratio	Large Area (12 cm): <2%		(17.7 x 13.3 x 1.3 in.)
	Small Area (1 cm): <10%	Weight	12.3 kg (27 lb.) approx.
Scan Method	Progressive	Housing Material	Aluminum
A/D Conversion	14-bits	Sensor Protection Material	Carbon fiber plate (2.5 mm thick) and aluminum
Frame Rate	1 fps (1 x 1)	Power	
Data Output	Gigabit Ethernet	Power Dissipation	35 Watts
		Power Supply/Adaptor	100 - 240 VAC, 47 - 63 Hz