PACIFIC NDT
NEXT LEVEL IMAGING

PiX 810HD NDT DR

DIGITAL RADIOGRAPHY SOLUTIONS FOR INDUSTRIAL USE

Contact us via email or phone to find out more or schedule an in-person demo.

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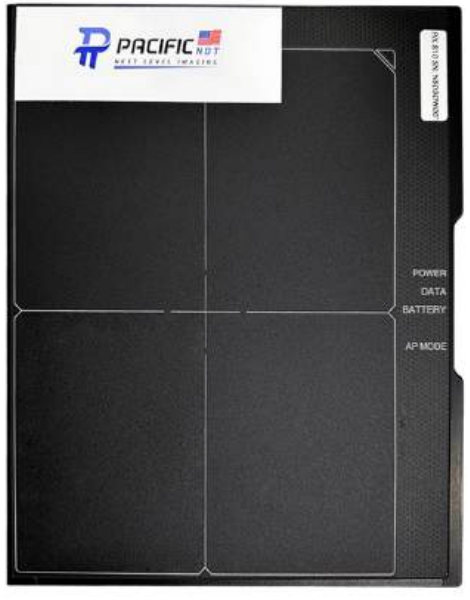
FLAT PANEL DETECTORS

PIX 810HD

PiX 810HD – Ultra-Portable 75 Micron Detector for Tight Spaces and High-Detail Imaging.

The **PiX 810HD** is a compact, rugged flat panel detector featuring a fine **75 µm pixel pitch** and an active imaging area of **6.8"x9".** Built for ultra-high-resolution inspections in constrained environments, it delivers full 16-bit imaging performance in a lightweight, IP67-rated package.



Here are key benefits:

01 High Resolution in a Compact Footprint

Designed for **precision imaging in the smallest inspection zones,** PiX 810HD offers:

- 75-micron pixel pitch for micro-defect detection
- High-MTF 16-bit images for exceptional contrast and detail
- Active area of 6.8" x 9"—ideal for curved or obstructed geometries

02 Built for Mobility and Harsh Conditions

- **IP67-rated:** Dustproof and water-resistant, ideal for field use
- **Long battery life:** Supports extended operation in remote or mobile settings
- **Lightweight design:** Perfect for one-handed positioning and tight-access applications

03 Unified Software Compatibility

- Operates under the same **PiX Software license** as PiX 1012HD and 1417HD
- Allows users to swap detectors without workflow disruption
- Compatible with both lab and portable X-ray systems

Key Features

- **Pixel Pitch:** 75 µm for ultra-fine image resolution
- **Active Area:** 172.8 mm x 230.4 mm (6.8" x 9")
- **Bit Depth:** 16-bit imaging for high contrast
- **Durability:** IP67 sealed housing
- **Portability:** Long battery life and compact footprint

Why Choose PiX 810HD?

For technicians working in **tight, rugged, or high-precision environments,** the PiX 810HD delivers exceptional clarity without sacrificing portability or durability.

Contact us to schedule a live demo or learn more about integrating PiX 810HD into your workflow.

Conclusion

The use of Flat Panel Detectors for weld inspection represents a significant advancement in NDT technology. By offering superior image quality, adaptability, and efficiency, these detectors meet the complex demands of modern weld inspections, supporting industries in maintaining the highest standards of safety and quality.

PIX 810HD VS. PIX 1012HD VS. PIX 1417HD

Where PiX 810HD May Be Better Than PiX 1012HD or 1417HD

- Confined Spaces: Its smaller footprint allows access where 10"x12" or 14"x17" panels won't fit.
- Field Inspections: Lightweight and IP67-rated, ideal for rough or outdoor environments.
- One-Handed Use: Easier to maneuver for rope-access, UAV, or elevated inspections.
- Battery-Only Operation: Long-lasting battery is perfect for inspections without nearby power access.

While PiX 1012HD and 1417HD offer broader coverage, **PiX 810HD excels in tactical, high-detail, and space-constrained applications** where precision and portability matter most.

SPECIFICATIONS

PIX 810HD

Imaging Specifications

Model Name	PiX 810HD
Technology	IGZO TFT
Scintillator	CsI / Gadox
Pixel Pitch (µm)	75
Pixel Matrix (Resolution)	2304 x 3072
Image size	172.8 mm x 230.4 mm (6.8 in × 9.07 in)
Grayscale	16 bits
X-ray Voltage Range	40-150 kVp CCW: 40-450 kVp
Maximum Exposure Time	180 s
X-ray Generator Interface	External Line Trigger / Automatic Exposure Detection
Data Interface	PoE Gigabit Ethernet (1000 BASE-T) IEEE 802.11 n / ac
Image Acquisition Time	Wired: 1.5 s Wireless: 3 s

*Specifications are subject to change without prior notice.

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Mechanical Specification

Dimensions	(H x W x D) 208.2 mm x 256.5 mm x 27.5 mm (8.20 in × 10.10 in × 1.08 in)
Weight (kg)	2.4 kg (5.29 lbs)
Operation Environment	-20 to 50°C; 30% to 80% RH (non-condencing)
Battery	8 h (capturing) ; 9 h (standby)
Dust and water resistent	IP67
Bezel Size	Bottom: 3.0 mm; Right 6.0 mm
Power Consumption	OC 24 V, 0.8 A

*Specifications are subject to change without prior notice.