

DXR250RT

Direct Radiography

Optimized for industrial use, the DXR250RT provides very quick image acquisition while maintaining its full resolving capabilities. Utilizing Endurance™ scintillator technology, the DXR250RT is able to provide the premium image quality of a CsI detector without the typical image lag limitations of CsI. GE detectors incorporate a temperature controller, allowing for longer calibration intervals and quick consistent images. The DXR250RT allows for fast applications results without sacrificing image quality.

Features and Benefits

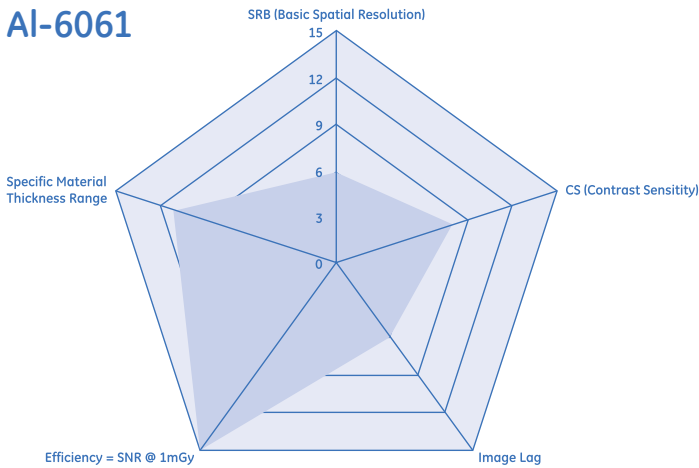
- Quick image acquisition rates (30 fps) with full-resolution and corrections applied
- Endurance technology for optimal image quality and lag
- Temperature controller for stable offsets over longer periods, enabling more consistent imaging and fewer calibrations

Applications

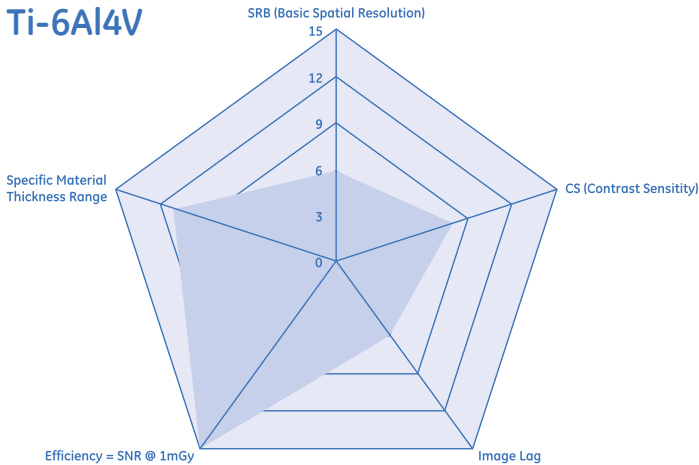
- High throughput castings
- Pipe manufacturing
- Electronics
- Integrated manipulation systems



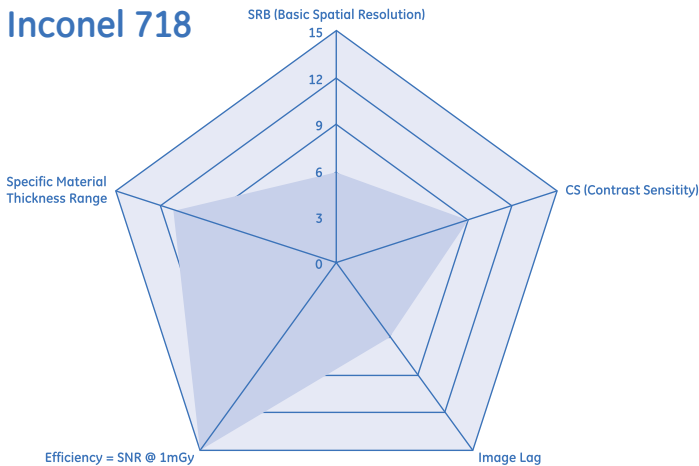
Al-6061



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	CsI
Active Area (approx.)	205 x 205 mm (8 x 8 in)
Image Formate	1024 x 1024
Pixel Pitch	200µm
A/D Conversion	14 bits
Max. Frame Rate	30 fps
Interface	Fiber Optic
Dynamic Range	10,000:1
Dimensions	260 x 260 x 114.3 mm
Weight	14 kg (31 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)

Temperature Controller

Voltage	100-240V, 50-60Hz
Dimensions	220 x 286 x 382 mm (9 x 11 x 15 in)
Weight	8 kg (19 lb)



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