



SCANRAY D

Real-time dynamic digital radiography system



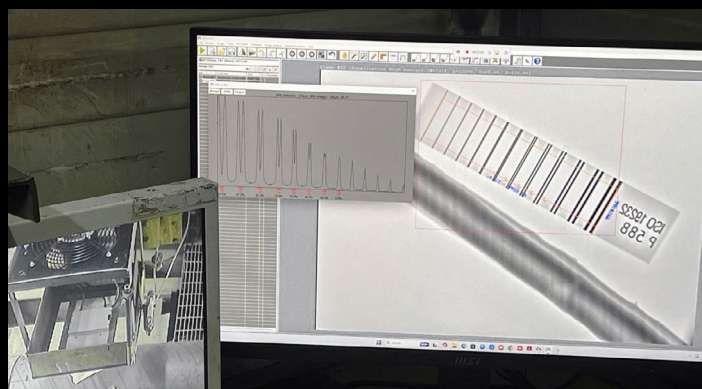
SCANRAY D is a digital radiography system designed for direct X-ray inspection using dynamic flat-panel detector technology. It is intended for stationary radiographic installations, including X-ray cabinets and radiographic testing systems where continuous digital image acquisition is required.

The SCANRAY D series includes dynamic flat-panel detectors in multiple sizes, allowing the system to be configured for a wide range of inspection tasks and object dimensions. The detectors operate with the DR-SOFT software platform, providing a unified digital environment for image acquisition and evaluation. Depending on the model, detector housings are manufactured from metal or durable plastic and feature a carbon fiber active surface for reliable operation in industrial environments.

Overview of the system

The SCANRAY D system is designed for fast and efficient digital radiographic inspection in stationary environments:

- Real-time imaging up to 34 fps enables live positioning and immediate inspection.
- Remote alignment of the X-ray source, detector and object minimizes setup time and improves workflow.
- Ideal for automated inspection systems, X-ray cabinets and production lines where high throughput is required.
- Film-free workflow eliminates consumables and archive storage.
- 16-bit image acquisition provides up to 65,536 grayscale levels for detailed image evaluation.
- Supplied as a complete solution including detector, workstation, DR-SOFT software and all required cables.



Specifications

PROPERTIES	1515D	1717D/DH	1724D/DH	2532D	4328D	4343D
Scintillator	Gadox/CsI	CsI	Gadox/CsI			
Pixel pitch, μm	119	95	95	124	140	140
Image size, mm	152 × 152	170 × 170	170 × 240	254 × 317	430 × 287	430 × 430
Image size, inches	6.0 × 6.0	6.7 × 6.7	6.7 × 9.4	10.0 × 12.5	16.9 × 11.3	16.9 × 16.9
Pixel matrix, pixels	1280 × 1280	1792 × 1792	1792 × 2560	2048 × 2560	3072 × 2048	3072 × 3072
Dimensions, mm	196 × 181 × 50	210 × 197 × 45	210 × 270 × 45	286 × 343 × 45	470 × 330 × 45	471 × 471 × 35
Weight, kg	2.4	2.7	3.7	9.3	10.0	21.0-30.0
Frame rate, fps	34	28/80	28/60	22	14	15
Operating environment, °C	+10 to +35	0 to +50		+10 to +35		
Grayscale, bits	16					
Dust and water resistance	IP67					



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