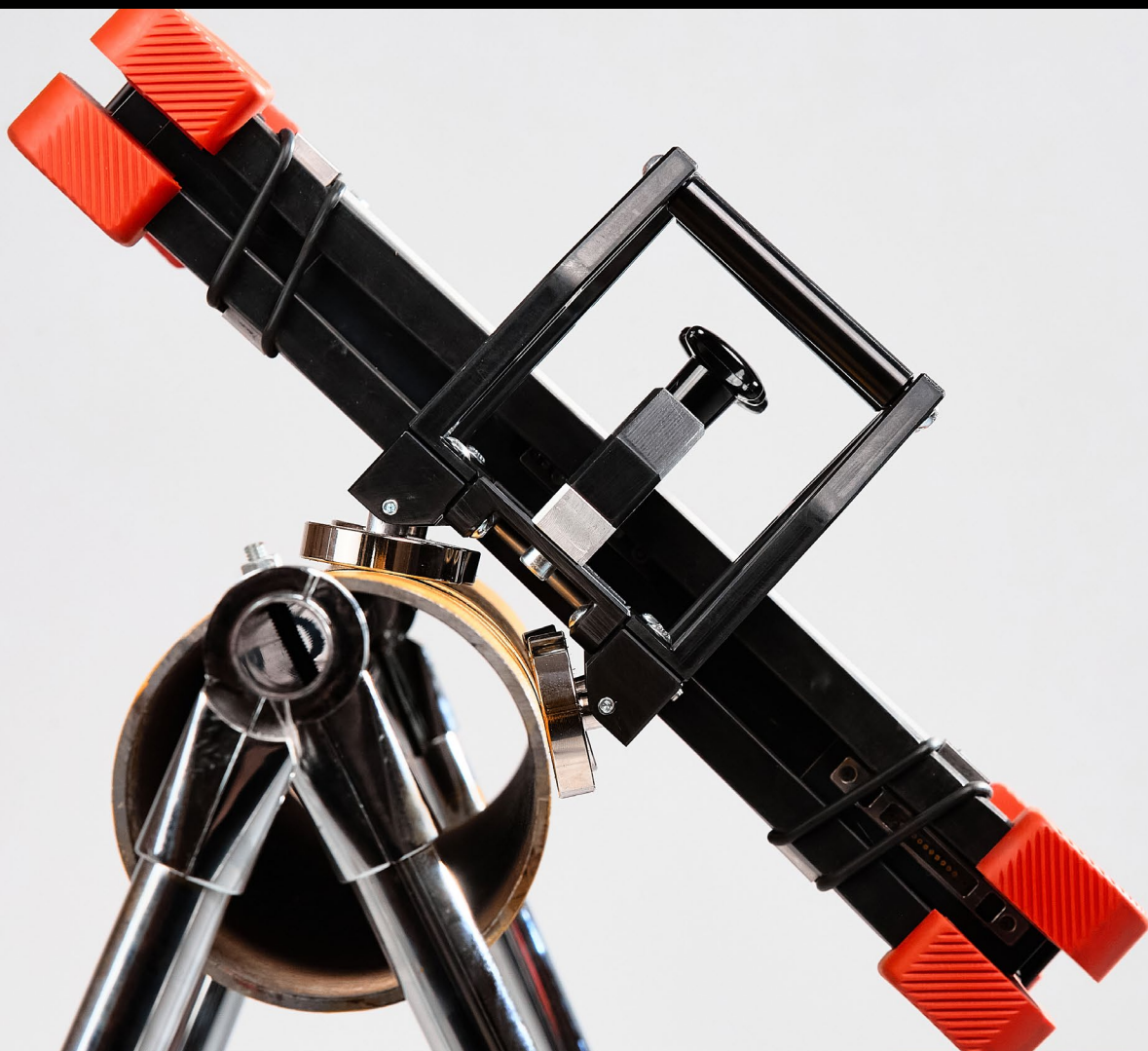




SCANRAY

Portable wireless flat-panel digital radiography system



SCANRAY series of flat-panel detectors is produced for a wide range of non-destructive testing tasks, from routine weld and corrosion inspection to advanced quality control of critical components across multiple industries. Available in several configurations with different pixel pitches and active areas, it can be precisely matched to specific inspection requirements, ensuring optimal performance for each application.

The systems enable fast image acquisition with immediate transmission to the operator, while also supporting internal data storage for flexible workflows in the field. Compatibility with both X-ray and gamma sources allows reliable detection of internal defects in a variety of materials under real operating conditions.

Key advantages

- A range of detectors with different active areas and pixel pitches enables optimal selection for specific inspection tasks across various industries and application requirements.
- The most comprehensive standard scope of supply includes all essential components and accessories, allowing immediate operation without additional purchases.
- Fast image acquisition combined with real-time data transfer supports efficient RT workflows in the field.
- Each system includes 2 lifetime DR-SOFT licenses with free, unlimited updates – no hidden fees or recurring subscriptions.
- An additional battery pack enables continuous inspection without downtime for recharging, ensuring uninterrupted operation in the field.
- Internal memory ensures image storage even in the case of a connection loss with the operator's workstation.
- Digital detectors are 10-40 times more sensitive than conventional X-ray film, enabling a 2-10 fold increase in productivity and reduced radiation exposure to personnel.
- Built-in X-ray sensor enables automatic image acquisition at the start of exposure, improving productivity and reducing operator dependency in routine processes.
- Compatibility with constant-potential, pulsed and half-sine X-ray generators, as well as gamma sources, ensures versatility across inspection setups.
- IP67 protection and high mechanical strength provide reliable operation in harsh environments and during transportation.
- A protective cover reduces the risk of damage when placing the detector on the object and during handling.
- A wide range of accessories allows fast and convenient positioning of the detector on the inspection object.
- Compliance with ISO, ASTM and ASME standards ensures high image quality and reliable results.
- Wireless operation eliminates the need for cables during inspection, simplifying system setup, reducing preparation time and improving mobility in confined or hard-to-access areas.

Specifications

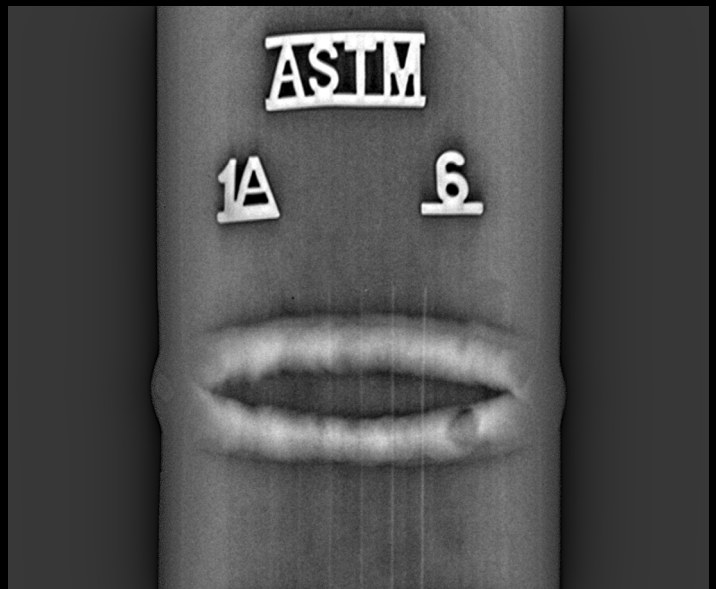
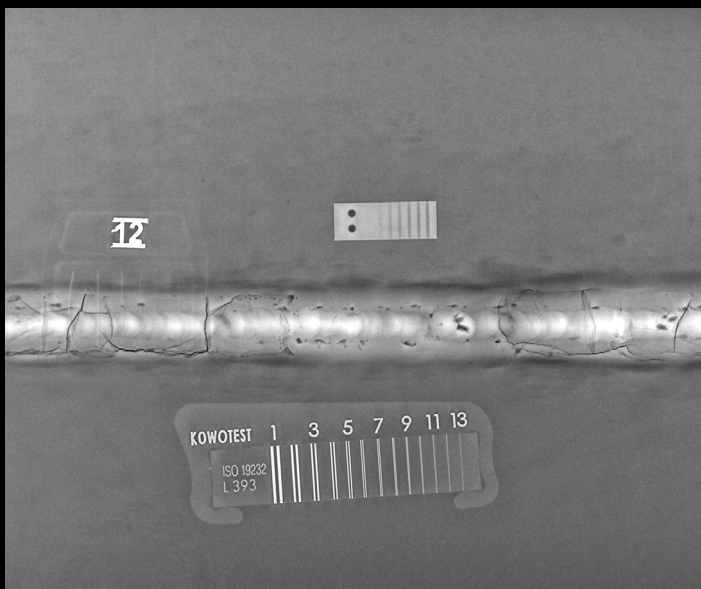
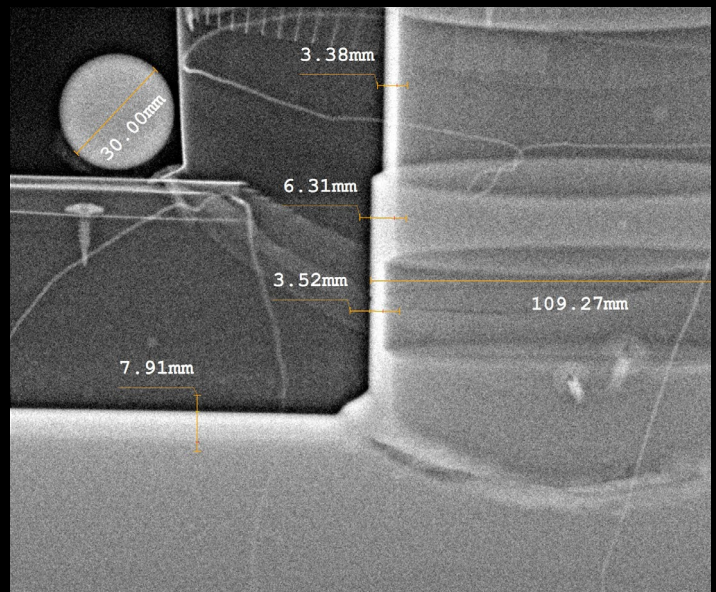
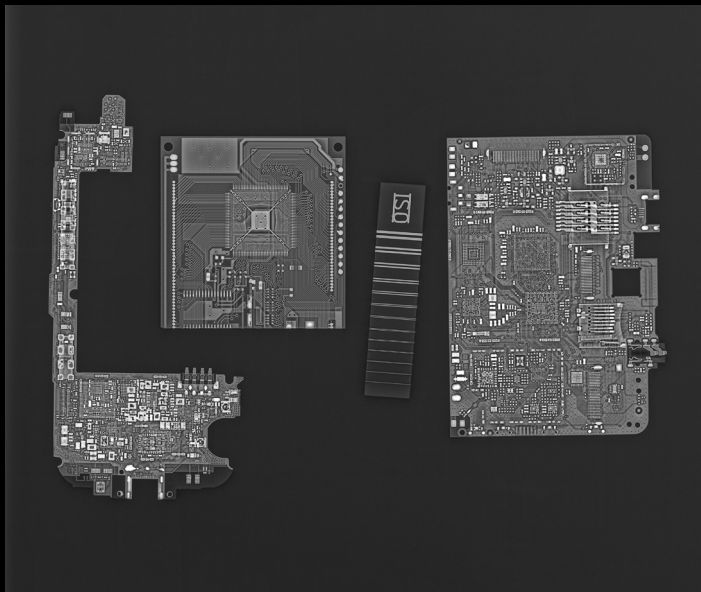
PROPERTIES	REGULAR			PRO		ULTRA	
	1230	2532	3643	2530	3643	1723	2329
Scintillator	Gadox/CsI			Gadox		Gadox/CsI	
Pixel pitch, μm	124	124	140	99	99	75	75
Image size, mm	127 × 317	254 × 317	358 × 430	250 × 301	351 × 427	173 × 230	230 × 288
Image size, inches	5.0 × 12.5	10.0 × 12.5	14.1 × 16.9	9.8 × 11.8	13.8 × 16.8	6.8 × 9.1	9.1 × 11.3
Pixel matrix, pixels	1024 × 2560	2048 × 2560	2560 × 3072	2524 × 3036	3548 × 4316	2304 × 3072	3072 × 3840
Dimensions, mm	160×400×25	322×355×17	400×470×17	283×333×15	384×460×15	208×257×28	322×355×17
Weight, kg	3.2	3.4	5.4	2.5	4.2	2.4	3.4
Grayscale, bits	16						
Operating environment, °C	-20 to +50						
Max battery life, h	7						
Dust and water resistance	IP67						

Scope of delivery

- Digital detector in a universal protective cover.
- Two battery sets with a charger.
- Rugged laptop with a full DR-SOFT license.
- Rugged tablet with a full DR-SOFT license.
- Tablet docking station with an extra battery.
- Additional Wi-Fi module.
- Magnetic holders.
- Lashing straps.
- Heat-resistant blanket.
- Cable set.
- Steel calibration plate.
- Transportation case.



Resulting images

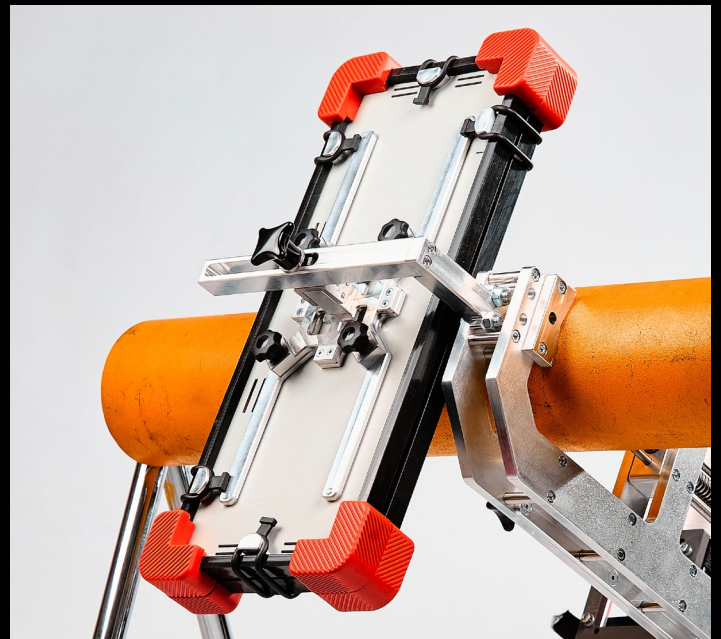


Additional accessories

C-arm

The C-arm is designed for precise alignment of the detector with a gamma collimator or lightweight X-ray generator during pipe inspection. Two versions are available for stable positioning on pipes with diameters of 1-4" (32-114 mm) for DWDI and the elliptical technique, or 4-10" (108-273 mm) for DWSI.

A reliable clamping mechanism ensures fast setup and smooth movement along the weld while maintaining the selected exposure geometry, including angle and source-to-detector distance. This allows consistent inspection conditions and improves overall efficiency in field operations.



Adjustable magnetic holder

The adjustable magnetic holder is designed for fast and secure positioning of the flat-panel detector on ferromagnetic structures, significantly reducing setup time in the field. It can be used on pipes with diameters from 3" (89 mm) as well as on flat surfaces.

The modular design allows magnets to be mounted on one or both sides of the detector, ensuring stable fixation and flexibility when inspecting objects of different shapes and sizes.



Tripod

The tripod is designed for stable positioning of the flat-panel detector on the ground or floor, ensuring reliable placement during inspection in field conditions. It features telescopic legs with adjustable height, allowing precise control of detector positioning.

A rotating fixator enables quick adjustment of the detector angle, providing flexibility for different inspection geometries and easier setup and repositioning.



DIGITAL RADIOGRAPHY SYSTEMS, SOFTWARE AND AI INSPECTION SOLUTIONS

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