

Battery powered **P**ortable X-ray DDA for **S**mart NDT inspections

Dereo PS



[Website](#)

APPLICATIONS

- Portable digital system for indoor and outdoor X-ray jobs
- Quality control of aerospace structures, shipyards, pipes, power lines, buildings, railway, windmills, ammunitions, ...
- Periodic maintenance control
- Weldings, castings, corrosion under insulation, composite materials,...
- Historical assets (in Museums, laboratories, universities,...)



KEY FEATURES

Very portable	X-ray pictures anywhere. Battery powered.
Large area	Active area of 24 x 30 cm.
Quick set-up	X-ray pictures at anytime.
Digital	Instant results. Very easy set-up and use, thanks to the automatic real-time filter magnifier, and to the wide contrast latitude of digital technologies. Very user-friendly Maestro software. Post-processing. TIFF & JPG format. Easy archiving & reporting. No more consumables (films and chemicals) & dark room needed.
Image quality	High resolution (from 120 down to 68 μ m depending on binning mode) and high contrast (16 bit).
High sensitivity	Ability to X-ray a large range of different objects and materials, from light materials such as paper, up to several mm Fe.
Real-time	Real-time X-ray pictures for urgent image acquisition and analysis.
Robust	Real 2D panel. There are no mirror , neither fragile moving parts inside the detector such as engine and belt.

Dereo PS SPECIFICATION

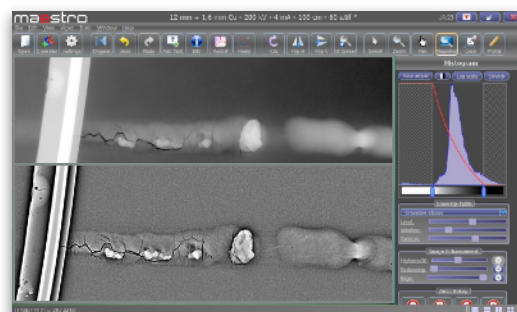


MODEL	ACTIVE AREA (cm)	PIXEL SIZE (μm)	GREY LEVEL (bit)	EXTERNAL DIMENSIONS (mm)	WEIGHT (kg) <i>battery included</i>	WIRELESS
Dereo PS 2530	24 x 30	68 or 120	16	256 x 410 x 77	7.2	Yes

Unique : let us know your application and **X-RIS** will select the right scintillator for you.

Maestro SOFTWARE

- Software interfaces developed **by and with field users**
- Maestro Touch** for touchpads and **Maestro** for laptops
- Very **intuitive** software interfaces. Access to all key tools of **Maestro Touch** with your thumbs and with one click mouse on **Maestro**
- Zoom in / out, screen adjustment, rotation, horizontal and vertical flip, cropping, ...
- Access to the LUT (look-up-table)
- Black and white reversal
- Annotations
- ACUITY** Filter
- Real time** magnifier
- Real time** filters (Acuity, Defect, Contrast, Edge, Noise reduction, ...)
- Smart measurement tools
- NDT Tools for normative inspections
- Bad pixels map
- DICONDE**
- Compliant with all major NDT standards (ISO 17636, ASTM-E 2698, E2736, E2737, E2597, Safran PR5250, Airbus AITM 6-7007 and Boeing BSS-7044)
- Wall thickness measurement
- Control of many X-ray generator brands and models
- Any language available upon request
- X-RIS** is open to discuss the development of new software tools



Dereo PS ACCESSORIES

X-RIS makes your job easy and supplies :

- GemX** constant potential X-ray generator
- Wireless modules
- Battery-powered
- IP66 Carrying case
- Backpack

