

Ultra Portable X-ray detector with embedded wireless module and battery

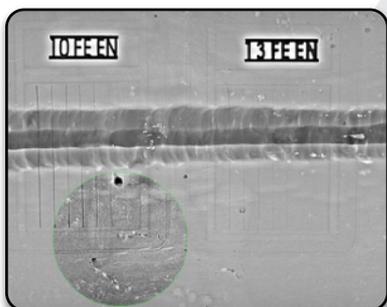
Dereo UP



[Website](#)

APPLICATIONS

- ▶ Portable digital system for indoor and outdoor x-ray jobs
- ▶ Quality control of large structures in aerospace, aeronautic, shipyards, on 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

- Ultra portable** Battery and wireless module (embedded into the panel)!
Generate X-ray pictures anywhere :use the **Dereo UP** in a shielded cabinet or take it out at any time to use the **Dereo UP** as an extremely portable tool on site.
Ultra light detector : Down to 2.8 kg.
- Robust** Tough handle, bumpers, military standard and magnetic connectors, strong carrying case, ... will definitely grant a high level of robustness of your **Dereo UP** on the field.
- Quick set-up** Very fast set-up and easy use thanks to smart hard- and software features.
- Digital** **Dynamic DDA.**
Immediate image after couple of seconds.
Very user-friendly Maestro software.
Post-processing.
DICONDE format for universal file exchange.
Easy archiving & reporting.
- Image quality** **Unique** : With **GemX** X-ray generators, change kV and mA during X-ray shot and adjust the image. « You just can't fail your x-ray shot ! » Automatic averaging.
Dereo UP (100 µm) complies with ISO 17636-2 :
 - Class B for thickness higher than 4 mm.
 - Class A for thickness higher than 1 mm.
- Highest sensitivity** Impressive signal to noise ratio (SNR > 500 !) thanks to smart calibration process and fantastic contrast resolution better than 1% (EN 462-1).
- Ultra thin** Possibility to slide the **Dereo UP** between 2 objects.
Removable bumpers in order to reduce the thickness if necessary.
Thickness of 17mm, only!

Dereo UP SPECIFICATIONS

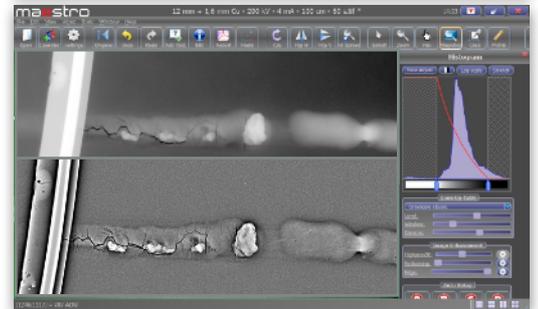


MODEL	ACTIVE AREA (cm)	PIXEL SIZE (µm)	GREY LEVEL (bit)	EXTERNAL DIMENSIONS (mm)	WEIGHT (kg) battery included	WIRELESS
Dereo UP 2530	25 x 30	100	16	412 x 321 x 17	2.8	Yes
Dereo UP 3643	36 x 43	100	16	543 x 430 x 17	4.0	Yes

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 UP ACCESSORIES

X-RIS makes your job easy and supplies :

- ▶ 40m cable reel (designed by **X-RIS** for minimization)
- ▶ Bipods and tripods
- ▶ Carrying case and backpack
- ▶ Touchpads and laptops
- ▶ **GemX** portable battery powered X-ray generators



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