

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

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 | <p>Battery and wireless module (embedded into the panel) !</p> <p>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</p> <p>Ultra light DDA (Dereo UP 2530 : 2.8 kg, Dereo UP 3643 : 4 kg battery included)</p> |
| Robust | <p>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.</p> |
| Quick set-up | <p>Very fast set-up and easy use thanks to smart hard- and software features</p> |
| Digital | <p>Dynamic DDA</p> <p>Immediate image after couple of seconds</p> <p>Very user-friendly Maestro software</p> <p>Post-processing</p> <p>DICONDE format for universal file exchange</p> <p>Easy archiving & reporting</p> |
| Image quality | <p>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 ! »</p> <p>Automatic averaging</p> <p>Dereo UP (100 µm) complies with ISO 17636-2</p> <ul style="list-style-type: none"> - Class B for thickness higher than 4 mm - Class A for thickness higher than 1 mm <p>Unique : Different scintillators available according to your applications</p> |
| Highest sensitivity | <p>Impressive signal to noise ratio (SNR > 500 !) thanks to smart calibration process and fantastic contrast resolution better than 1% (EN 462-1)</p> |
| Ultra thin | <p>Possibility to slide the Dereo UP between 2 objects</p> <p>Removable bumpers in order to reduce the thickness if necessary</p> <p>Thickness of 17mm, only !</p> |



Dereo UP DDA SPECIFICATIONS

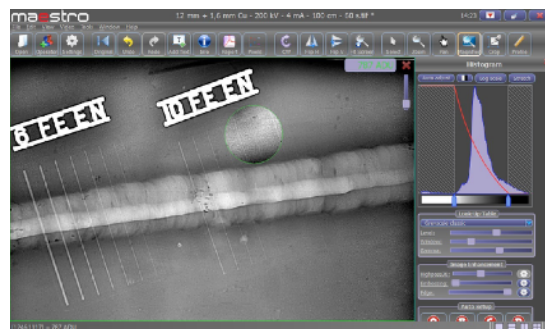


MODEL	TECHNOLOGY	ACTIVE AREA (cm)	PIXEL (μm)	GREY LEVEL (bit)	EXTERNAL DIMENSIONS (mm)	WEIGHT (kg)	CONTROL	POWER
Dereo UP 2530	@-Si	25 x 30	100	16	412 x 321 x 17	2.8 with battery	Wired / Wireless	Battery or Mains
Dereo UP 3643	@-Si	36 x 43	100	16	543 x 430 x 17	4.0 with battery	Wired / Wireless	Battery or Mains

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

Maestro Touch & Maestro SOFTWARES

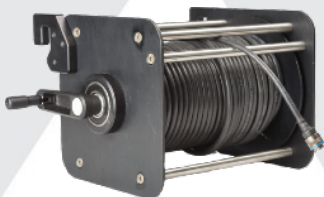
- ▶ Software interfaces developed **by and with field users**
- ▶ **Maestro Touch** for touchpads and **Maestro** for laptops
- ▶ Very **intuitive** software interfaces. Access to all key tools of **Maestro Touch** with your thumbs and with one click mouse on **Maestro**
- ▶ Zoom in / out, screen adjustment, rotation, horizontal and vertical flip, cropping, ...
- ▶ Access to the LUT (look-up-table)
- ▶ Black and white reversal
- ▶ Annotations
- ▶ **Real time** magnifier
- ▶ **Real time** filters (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)
- ▶ 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 :

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



www.xris.eu