X-Ray Solutions

Balteau NDT

www.**balteau**.com

BALTOSCOPE **MOBIX 16-100**

|	
Receptor type:	**Amorphous silicon**
Conversion:	**CsI or Gadox**
Active area:	**From 298 x 248 mm**
Pixel pitch:	**100 µm**
Communication:	**WiFi or GbE**
Spacial resolution:	**5,0 lp/mm**
AD/conversion:	**16 bits**
Image frequency:	**9 fps @ 200 µm**
Temperature:	**10 to 35° operating**
Power supply:	**Rechargeable battery**
On board memory:	**1 GB DDR3**
Weight:	**From 2,5kg**

CHARACTERISTICS

- Delivered with Balteau NDT Acquisition software for image acquisition
- Pelican case available for transport
- Rechargeable battery
- Available in CsI or Gadox conversion depending on the model
  Aluminium frame with Carbon-fiber window
- IP54
- IPS012 Image Processing Software available as an option

KEY ADVANTAGES

- 2 versions/dimensions available of Mob-X
- From 25 x 30 cm to 35 x 43 cm images
- High resolution 100 µm pixel pitch
- Automatic Exposure Detection
- Wi-Fi & Gigabit Ethernet (GbE) interface
- Docking connector or GbE, power & sync
- On-board pixel corrections & storage
- Dynamic mode
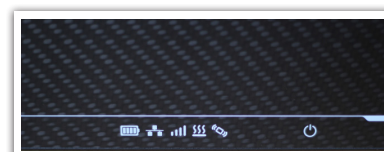- Fast preview image
- Robust & lightweight design

MECHANICAL DRAWING
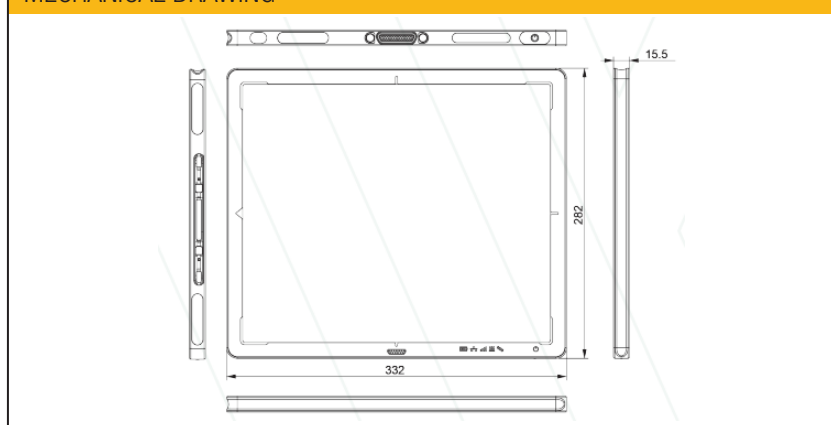
The MOBIX 16-100 is a portable flat panel detector. Thanks to its battery and Wi-Fi interface, a digital inspection can now be done anywhere. Moreover the MOBIX 16-100 is very light, robust and ergonomic which makes it easy to be used in harsh environment and conditions. Equipped with an internal memory, the MOBIX 16-100 can store images in order to allow the operator to unload them later.


Flat panels are a combination of electronics and silicon, providing direct conversion support to display radiographic images instead of using the traditional film technique. This helps to reduce the exposure time but also gives an extended range of thicknesses using the same energy range.

The MOBIX 16-100 is an X-ray detector with a 16-bit conversion for 100 µm² available in 2 different sizes. The acquisition software of the Inspection Suite comes with the equipment providing a user-friendly interface for the acquisition of images. The optional Image Processing Software (IPS012) makes it a complete solution.

BALTOSCOPE MOBIX 16-100

Specifications	Units	MOBIX 16-100
Dimensions:	mm	282 (L) x 332 (l) x 15,5 (h)
Weight:	kg	2,5
Housing:		Al frame/Carbon fiber window
Receptor type:		Amorphous silicon
Conversion screen:		CsI or Gadox
Pixel matrix:		3008 x 2512
A/D Conversion:	bits	16
Active area:	mm	298 x 248
Pixel pitch:	µm	100
Image frequency:	fps	9 fps at 200µm resolution
Interface:		WiFi or GbE
WiFi:		802.11n WiFi Std @ 5 GHz
Image transfer time:		WiFi: 2000ms / GbE: 300ms
On board memory:		1GB DDR3, 8GB SDHC Card
Power supply:		Rechargeable battery 11,1V* & external power

(Delivered with charger 110 - 240 V)
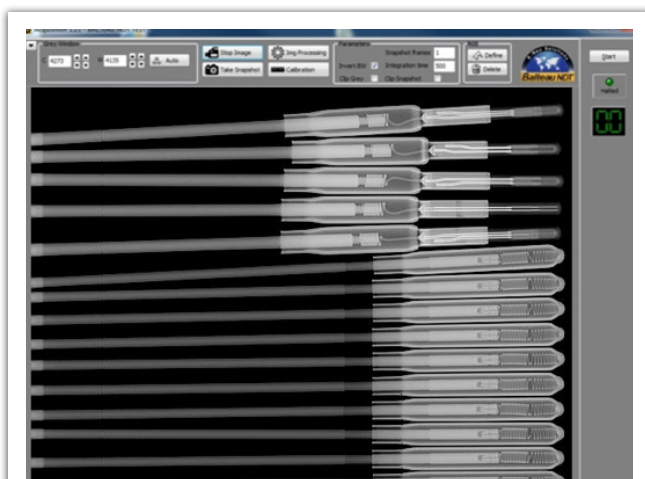
ACQUISITION SOFTWARE

- Included with the panel standard package
- Grey level histogram & ROI
- Compatible with most detectors
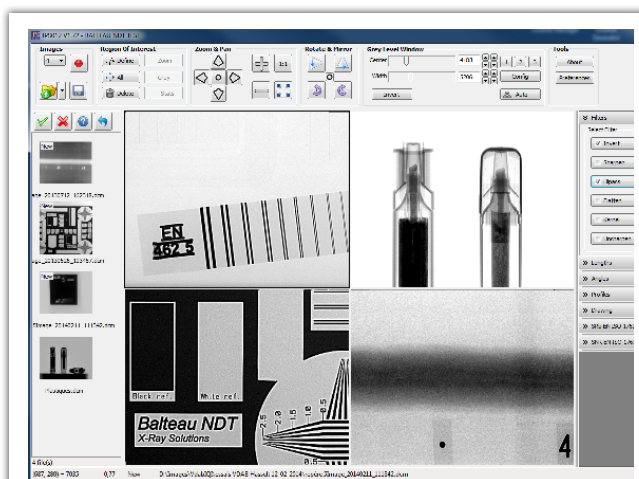
IPS012 (Image Processing Software)

- Includes all common analyzing tools
- Compliant with major standards
- User friendly

Contact details

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Distributed by:

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All specifications are non contractual and are subject to change without prior notice.