

## LOGOS IMAGING ORAMA II DR System

The ORAMA II is not only the most popular DR system offered by Logos, it is also the most rugged. With an IP64 rating and drop test rating of 1m, the ORAMA II is the ideal solution for field use. With 2 scintillator options, DRZ fine (100 Micron) and DRZ+ (160 Micron), you have the option to select the best solution for your needs. This system offers a 14"x17" image area, 0.3" (8mm) bottom border and is shielded for CP or HF X-Ray sources up to 330 kV. Coupled with ASYRMATOS II interface, the ORAMA II provides users with 400m line of sight wireless operation.



### Features:

- Includes Full Wired and Wireless Operation
- 0.3" (8mm) Bottom Border
- High Resolution and Sensitivity, 127  $\mu\text{m}$  Pixel Size, 3.9 lp/mm
- Shielded for Use with 330 kV X-Ray

### Applications:

- Oil & Gas
- Petrochemicals
- Aerospace
- Art and Technology
- Power Plants
- Munitions
- Castings

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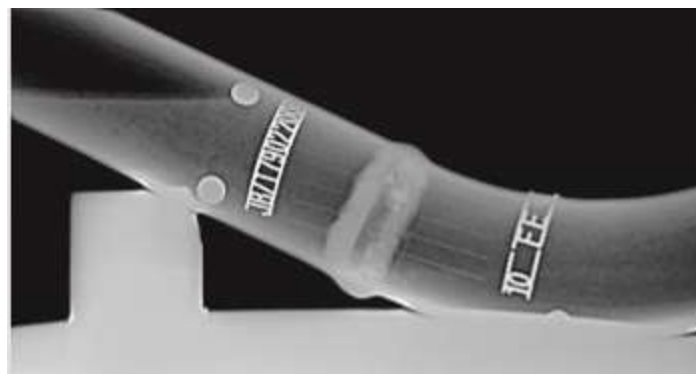
### ORAMA II DR System

The ORAMA II is a large format portable digital system that generates high resolution, high sensitivity digital images. The complete X-Ray imaging system includes a flat panel detector, an operating PC (optional), LIA NDT software, wireless and wired interface, wired and wireless X-Ray control, X-Ray machine (optional) and carrying case.

The ORAMA II system includes full wired and wireless capabilities. Wireless communication between the imager and the computer, as well as wireless firing for 5-pin Golden Engineering X-Ray machines is included in the base ORAMA II system. There is no need to buy additional wireless accessories.

With a battery run time of more than 3 hours per hot-swappable battery, the standard system provides up to 7 hours of battery life allowing users to operate the system wired or wireless modes all day even when mains power is not available. If mains power is available, the panel, interface and PC can be powered indefinitely through a single power connection on the power center mounted in the carrying case.

The ORAMA II is available with three carrying case options. All case options hold the ORAMA II panel, ASYRMATOS II interface, batteries, power center and all operation cables. Users can choose to have the system packaged in a single Storm iM2950 case, 2 Storm iM2720 cases or a custom backpack.



**Carbon Steel Pipe, OD 1.5" (38mm), WT 0.1" (2.5mm)**



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### Specifications:

<b>Technology:</b>	Amorphous Silicon with TFT
<b>Scintillator:</b>	Gadox
<b>Pixel Area:</b>	16.7" x 14.1" (42.3 x 35.8 cm)
<b>Pixel Matrix:</b>	3328 x 2816 pixels
<b>Pixel Size:</b>	127 $\mu$ m
<b>Limiting Resolution:</b>	3.9 lp/mm
<b>AD Conversion:</b>	16 bits
<b>Communications Interface:</b>	Wireless 2.4 GHz (5 GHz) Wired LAN
<b>Communications Range:</b>	Wireless up to 400m (using 2.4 GHz) Wired 50m standard, option up to 200m
<b>Image Transfer:</b>	Wired – 5 seconds Wireless – 9 seconds
<b>X-Ray Energy Range:</b>	40 – 330 kV CP or HF X-Ray Sources
<b>Weight:</b>	11.7 lbs. (5.3kg)
<b>Dimensions (panel):</b>	18.7" x 15.7" x 0.7" (47.5 x 40.0 x 1.8 cm)
<b>Power:</b>	100 – 240 VAC, (50 – 60 Hz), 2A using included power supply 14.4V, 93 Wh, Li-Ion hot-swappable battery pack
<b>Operating Temperature:</b>	-4°F to 122°F (-20°C to 50°C)
<b>Storage Temperature:</b>	-4°F to 122°F (-20°C to 50°C)
<b>PC Specs (Minimum):</b>	Core i7 Processor, 4 GB RAM, 500 GB hard disk, 14" 1600 x 900 display, 16 bit Windows 7 Professional