

OpenVision™ LT-NDT



Portable Video X-ray

A lightweight portable x-ray system for hand-held inspection. Includes a highly sensitive X-ray imager and battery-operated 70kV X-ray tube designed for portable field operation. This unit's 4" x 6" imaging area and real-time video allows the operator to quickly scan a range of specimen and pipe sizes. Moving the x-ray source provides 3-D perspective and moving closer or farther from the specimen allows increased detail resolution or field of view. Images are presented on a high-resolution 7" LCD display or on a heads-up display mounted to a hard hat. A DV SD card recorder can be attached to the system to store the video image or capture still images.



OpenVision™ is a trademark of Envision Product Design, LLC

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TECHNICAL SPECIFICATIONS

DESCRIPTION	
Imaging Area	4 in x 6 in field of view (10.16 cm x 15.24 cm) field of view
Dimensions	13 in to 27 in X-ray tube to imager (33.02 cm to 68.58 cm) X-ray tube to imager 17 in throat depth (43.18 cm) throat depth
Acquisition Time	Real-time NTSC video (30 frames per second)
Energy	40/55/70 kV, .1/.2/.3 mA
Spatial Resolution	250 micron (0.010 in)
Contrast Resolution	8 bit, 256 grayscale
Weight	C-arm including imager, X-ray tube, and D handle: 17 lbs (7.71kg) Controller including battery and shoulder strap: 6 lbs (2.72 kg)
Operating Temperature	-30° F to 120° F (-34° C to 49° C)
Display	LCD hand held or optional handle mount
Alternate Display	Digital video recorder with LCD display, 30GB hard drive, 4GB SD card, and USB for PC interface



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