

OpenVision™ LT NDT

OVL-NTD 01/10

“REAL” Real-Time Radioscopic Imaging



Product configuration may vary from picture shown.

A light-weight portable x-ray system for hand-held inspection. Includes a highly sensitive X-ray imager and battery-powered 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. An optional Digital Video Recorder with hard drive and SD card can be attached to the system to store the video image or capture still images.

Specifications

imaging area:	4" x 6" field of view
dimensions:	13" to 27" between X-ray tube and imager. 17" throat depth
acquisition time:	Real-time NTSC video (30 frames per second)
energy:	40/55/70 kV, .1/.2/.3 mA. Trigger from heads-up display or trigger switch. 100% duty cycle, approximately 45 minutes with new battery.
spatial resolution:	250 micron (0.010")
contrast resolution:	8 bit, 256 grayscale
weight:	C-arm: 17 pounds including imager, X-ray tube and D Handle Controller: 6.5 pounds including battery and shoulder strap
temperature:	Imager and tube: -30°F to +120°F ambient
display:	7" LCD Hand held or optional handle mount Military-grade heads-up display with hard-hat adapter. Optional head-band mount.
alternate display:	Digital video recorder with LCD display, 4GB SD card, and USB for interface with PC. Optional Sony DVR tape recorder.
packaging:	All components housed in a wheeled ATA field case, 24 x 33 x 14 inches, 70lbs

Envision CmosXray LLC

7800 King Street

Anchorage, AK 99518

(907)563-1141

