

Frequently Asked Questions Thermal-Eye X-50

Q: The Thermal-Eye X-50 looks just like the Thermal Eye X-100 and X-200 products. How is it different?

A: The X-50 uses the same reliable parts as the X-100 and X-200, but to achieve a lower price point the X-50 differs in the following areas:

- Narrower operating temperature range
- Slightly increased background noise
- Decreased detector sensitivity
- Decreased human detection range
- Increased power consumption which results in shorter battery life
- Increased shutter operation as the camera has a different calibration scheme

Just like the X-100 and X-200, the X-50 is combat, rugged, easy to use, and carries a identical warranty policy.

Q: Why is L-3 Infrared Products introducing the Thermal-Eye X-50?

A: Local law enforcement and first responders are in need of thermal-imaging technology to perform daily operations. Until now, this technology has been out of reach and too expensive. L-3 Infrared Products is meeting the needs of these groups by delivering a hi-tech solution at an affordable price for such budget driven customer.

Q: The X-50 specification sheet does not list MIL requirements for environmental endurance and/or ruggedness. Does this mean that the X-50 is substandard?

A: L-3 IRP has chosen not to follow MIL-STD-810 as it does not adequately reflect the environmental conditions to which the camera is subjected in the hands of commercial end-users. For example many MIL tests require a 48” drop test to plywood and foam placed over concrete. L-3 has validated that the X-50 performance is unchanged when dropped repeatedly from a height of 60” directly onto concrete. Because L-3 IRP tests to more realistic end-user conditions IRP delivers reliable and durable end products.

Q: Why is the Thermal-Eye X-50 dark blue?

A: The dark blue color was selected by L-3 Infrared Products based on in-market research that confirmed the color blue is the color most associated with local law enforcement. Further, the dark blue color allows the camera to be covertly used a night without exposing the location of the officer.

Q: Why is the Thermal-Eye X-50 not equipped with a standard hard case?

A: Field studies have shown that for the local law enforcement and first responder markets a thermal camera spends the majority of its life outside of the hard case. Many end-users prefer to stow their thermal cameras with their first responder kits or along with other standard issue gear. Other end-users prefer to keep their thermal camera close at hand and easily accessible along with other needed equipment such as night sticks and flashlights. To offer the lowest price possible L-3 IRP ships the standard X-50 in a cardboard container. For those who require a hard case, it may be purchased separately.

