





The Thermal-Eye X-50 sets the standard for affordable, small, lightweight thermal imaging cameras. It is pocket-sized, rugged and durable. Based on the X200xp, the X-50 is perfect for public safety, first responder and security operations.



TARGET LOCATION

FORCE PROTECTION

ROUTINE PATROLS

SEARCH & RESCUE

DISTURBED SURFACES

COVERT SURVEILLANCE

FUGITIVE PURSUIT

OFFICER SAFETY

BENEFITS:

- Advanced technology made more affordable
- Stows easily in pocket for quick extraction in the field and on the run
- Unaffected by bright lights, glare or shadows, unlike traditional night vision technology
- Simple to use and operate, with covert eye cup and variable display brightness
- Designed to withstand 6ft (2m) drop to concrete

FEATURES:

- Developed with advanced amorphous silicon microbolometer technology
- Rugged design with integral rubber eye cup can survive accidental drops and underwater submersion to 9ft (3m)
- Pocket-sized, weighing only 13 ounces (0.38kg)
- Detects human activity from more than 1000ft (300m) away
- Two commercial AA batteries provide operating life of 5 hours (lithium) or 2 hours (alkaline)



Routine patrol in alley



Fugitive in pursuit



Covert surveillance



X-50 TECHNICAL SPECIFICATIONS:						
FEATURES		THERMAL-EYE X-50				
FOCAL PLANE ARRAY	MATERIAL & STRUCTURE		Amorphous Silicon Microbolometer			
	PIXEL COUNT (RESOLUTION)	100 x 80				
	SPECTRAL RESPONSE	7-14µm (filter bandwidth)				
	THERMAL SENSITIVITY		≤150 mK			
THERMAL IMAGING PERFORMANCE OPTICS	START-UP TIME		~ 5 seconds			
	BRIGHTNESS/CONTRAST		Fully automatic			
	RANGE TO DETECT HUMAN ACTIVITY	Up to 1000ft (305m)				
	SUSCEPTIBILITY TO BLINDING VISIBLE LIGHT	None				
	INFRARED POLARITY		White Hot			
	FOV (H x V)	11°x8°				
	FOCUS METHOD	Manual				
	MINIMUM FOCUS DISTANCE		~ 3ft (1m)			
VIDEO	OUTPUT FORMAT	Analog: NTSC or PAL monochrome on rear outlet jack				
	VIEWFINDER DISPLAY	Monochrome LCD (320 x 240 pixels)				
	VIEWFINDER DIMMING	Integral to power on/off switch				
POWER	POWER SOURCE	2 AA batteries				
	OPERATING TIME	\sim 2 hours with alkaline \sim 5 hours with lithium [77°F (25°C), nighttime operation]				
ENVIRONMENTAL CHARACTERISTICS	AUXILIARY POWER		9 to 12 VDC input on rear outlet jack			
	OPERATING TEMPERATURE	+14°F to 122°F (-10°C to 50°C)				
	STORAGE TEMPERATURE	-4°F to 176°F (-20°C to 80°C)				
	WATER & SHOCK RESISTANCE	Waterproof to 9ft (3m) submersion, buoyant in water. Shockproof to 6ft (2m) drop.				
PHYSICAL CHARACTERISTICS	EMC COMPLIANCE	FCC Part 15 & CE Mark				
	SIZE	5-1/4" L x 4-1/2" W x 2" H (13.4 x 11.4 x 5.1cm)				
	WEIGHT	13oz (381g), batteries installed				
en minere maries	EYE CUP	Integral to camera body with 2" eye relief				
ORDERING	CAMERA PART NUMBERS	NTSC: 1000380-0001				
INFORMATION		PAL: 1000380-0002				
CAMERA FEATURES		 On-screen battery level indicator Left- or right-hand operation with rugged slip-resistant grip 1/4-20 tripod mount Tactile battery loading feature for stealth nighttime operation External video and power jacks Long eye-relief viewfinder for use with glasses, face shield, masks, etc. 				
STANDARD EQUIPMENT		 2 AA alkaline batteries Neck strap & wrist strap Lens cover Lens cleaning cloth 				
OPTIONAL EQUIPMENT	OPTIONAL EQUIPMENT	Hard protective case	Power cable (12VDC)	Video cable	AC power adapter	
	PART NUMBER	CD11388	6458-1	7070409-0001	6453-1	
Specifications subject to ch	ange without notice				X-50 January 2008	

This technical data and software is considered as Technology Software Publicly Available (TSPA) as defined in Export Administration Regulations (EAR) Part 734.7-11.

