

X200xp



The Thermal-Eye X200xp – light-weight, waterproof and shockproof - delivers advanced thermal imaging technology to everyday heroes charged with reconnaissance, surveillance or first-response missions.



TARGET DETECTION

FORCE PROTECTION

ROUTINE PATROLS

SEARCH & RESCUE

DISTURBED SURFACES

COVERT SURVEILLANCE

FUGITIVE PURSUIT

SOLDIER & OFFICER SAFETY

BENEFITS:

- Greater scene detail with improved clarity, sharpness and overall image quality
- Improved vision in challenging field conditions like dust, smoke and complete darkness with no blooming from lights
- Fully dimmable display minimizes night blindness
- Stows easily into pocket for quick extraction and covert operation in the field and on the run

FEATURES:

- 30Hz 30µm detector offers fast turn-on time and real-time video image
- 50% greater stand-off range than X100 predecessor to detect human activity from up to 450 meters away
- Sophisticated image processing for best-in-class image quality
- Rugged design with integral rubber eye cup can survive accidental drops and submersion to 9 feet
- Pocket-sized, weighing only 13 ounces
- Operates on 2 AA lithium or alkaline batteries



Military operation



Routine patrol



Fugitive pursuit

X200xp TECHNICAL SPECIFICATIONS:

FEATURES		THERMAL-EYE X200xp
FOCAL PLANE ARRAY	MATERIAL & STRUCTURE	Amorphous Silicon Microbolometer
	PIXEL COUNT (RESOLUTION)	160 x 120
	SPECTRAL RESPONSE	7-14 μ m (filter bandwidth)
	THERMAL SENSITIVITY	≤ 50 mK
THERMAL IMAGING PERFORMANCE	START-UP TIME	~ 4 seconds (includes 2 second display of start-up logo)
	BRIGHTNESS/CONTRAST	Fully automatic
	RANGE TO DETECT HUMAN ACTIVITY	Up to 1500ft (450m)
	SUSCEPTIBILITY TO BLINDING VISIBLE LIGHT	None
	INFRARED POLARITY	White Hot
OPTICS	FOV (H x V)	11° x 8°
	FOCAL LENGTH (MM)	25mm
	MINIMUM FOCUS DISTANCE	~ 3ft (1m)
VIDEO	OUTPUT FORMAT	Analog: NTSC or PAL 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	~ 2.5 hours with alkaline, ~ 6 hours with lithium
	AUXILIARY POWER	12VDC input on rear outlet jack
ENVIRONMENTAL CHARACTERISTICS	OPERATING TEMPERATURE	-4°F to 140°F (-20°C to 60°C)
	STORAGE TEMPERATURE	-4°F to 176°F (-20°C to 80°C)
	WATER & SHOCK RESISTANCE	Waterproof to 9ft (3m) submersion, buoyant in fresh water. Shockproof to 6ft (2m) drop.
	EMC COMPLIANCE	FCC Part 15 & CE Mark
PHYSICAL CHARACTERISTICS	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
	EYE CUP	Integral to camera body with 2" eye relief
ORDERING INFORMATION	CAMERA PART NUMBERS	NTSC: 7070410-0001 / PAL: 7070410-0003
CAMERA FEATURES	<ul style="list-style-type: none"> – Enhanced DSP image processing – 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 power input and video output jacks – Long eye-relief viewfinder for use with glasses, face shield, masks, etc. 	
STANDARD EQUIPMENT	<ul style="list-style-type: none"> – Hard protective case – 2 AA alkaline batteries – Neck strap & wrist strap – Lens cover – Lens cleaning cloth 	

Specifications subject to change without notice

X200xp 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).