

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

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 30 μ m 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



Summit Night Vision Group LLC, Fort Worth, Texas, USA
Summit Night Vision Group is a U.S. Service-Disabled, Veteran-Owned Small Business.
Summit Night Vision Sales: 817-475-0142 Sales@SummitNightVision.com



communications
Electro-Optical Systems

X200xp TECHNICAL SPECIFICATIONS:

FEATURES		THERMAL-EYE X200xp
FOCAL PLANE ARRAY	MATERIAL & STRUCTURE	Amorphous Silicon Microbolometer
	PIXEL COUNT (RESOLUTION)	160 x 120
	SPECTRAL RESPONSE	7-14µm (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 	<ul style="list-style-type: none"> - 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 	<ul style="list-style-type: none"> - Lens cover - Lens cleaning cloth

Specifications subject to change without notice

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



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