

X320



Thermal-Eye X320 – Ruggedized Ultra Compact Thermal Imager now with 320x240 resolution!



STRUCTURE PROFILES

CRIME SCENE INVESTIGATION

ROUTINE PATROLS

SEARCH & RESCUE

DISTURBED SURFACES

COVERT SURVEILLANCE

FUGITIVE PURSUIT

OFFICER SAFETY

BENEFITS:

- Greater scene detail with VGA 320x240 resolution
- Video port available for simultaneous recording - Cable provided
- Covert operation with fully dimmable micro display and built-in shroud
- Stows easily into pocket for quick extraction and agile operation in the field and on the run
- Customize camera features with provided GUI interface software

FEATURES:

- 30Hz detector offers fast turn-on time and real-time video image
- 9Hz model available
- 50% greater range: Detect human activity from up to 735 meters away
- 2X Zoom as default on button press. Polarity option available via GUI
- Temperature measurement on/off available via GUI
- Rugged design with integral rubber eye cup can survive accidental drops and submersion to 1 meter
- Pocket-sized, weighing only 13 ounces
- Uses only two (2) user-replaceable AA lithium or alkaline batteries
- 3 Year Warranty



Perimeter Surveillance



Security



Fugitive pursuit

X320 TECHNICAL SPECIFICATIONS

FEATURES		THERMAL-EYE X320	
FOCAL PLANE ARRAY	MATERIAL & STRUCTURE	Amorphous Silicon Microbolometer	
	PIXEL COUNT (RESOLUTION)	320x240	
	SPECTRAL RESPONSE	7-14µm (filter bandwidth)	
	THERMAL SENSITIVITY	≤40 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 735 meters	
	E-ZOOM	2X E-Zoom as default on power push button	
	INFRARED POLARITY	Default is White Hot - Polarity selection can be enabled via GUI	
OPTICS	FOV (H x V)	12° x 9°	
	FOCAL LENGTH (MM)	25mm	
	MINIMUM FOCUS DISTANCE	~ 3ft (1m)	
VIDEO	OUTPUT FORMAT	Simultaneous NTSC output available on rear outlet jack	
	VIEWFINDER DISPLAY	Color 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 3ft (1m) 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 1.2" eye relief	
ORDERING INFORMATION	CAMERA PART NUMBERS	30Hz - NTSC: 5002021-1 9Hz - NTSC: 5002020-1	
CAMERA FEATURES	<ul style="list-style-type: none"> - White hot, black hot, color set points selection via GUI s/w - 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. - Push button control, features selectable via provided GUI s/w 	
STANDARD EQUIPMENT	<ul style="list-style-type: none"> - Drawstring pouch - 2 AA alkaline batteries - Neck strap & wrist strap 	<ul style="list-style-type: none"> - Lens cover - Lens cleaning cloth - Video/USB cable 	<ul style="list-style-type: none"> - GUI s/w CD
OPTIONAL EQUIPMENT	<ul style="list-style-type: none"> - Belt Pouch - Hard Case 	<ul style="list-style-type: none"> - BNC Video Cable - A/C Power Adapter 	<ul style="list-style-type: none"> * 3X Afocal or Compact DVR are available in commercial distribution

Specifications subject to change without notice

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