



X320

Compact Thermal Imager

Visimid X320- Ruggedized Ultra Compact Thermal Imager with 320 x 240 resolution and advanced features!



BENEFITS

- Simple one-button operation
- Greater scene detail with VGA 320 x 240 resolution
- Video port for simultaneous recording
- Covert operation with fully dimmable microdisplay
- Stows easily into pocket for quick extraction and agile operation in the field and on the run
- Customize camera features with provided user interface software

FEATURES

- 30 Hz frame rate
- 9 Hz model available
- Detect human activity up to 800 yards away
- 2x, 3x or 4x programmable e-zoom
- White hot, black hot and 3 color modes
- Temperature measurement & cross hair enabled via supplied software CD
- Survives accidental drops and submersion
- Pocket-sized, weighing only 13 ounces (369 grams)
- Up to 6 hours runtime with two user-replacement AA lithium batteries*
- Rugged design with integral rubber eye cup- 3 Year Warranty
- Tripod mount (1/4 – 20 thread)



Camera Kit Includes

- USB Cable
- User Interface Software
- Lens Cloth
- Neck/Wrist Straps
- User Manual
- AA Batteries*



**COVERT SURVEILLANCE
CRIME SCENE INVESTIGATION
SEARCH & RESCUE
MECHANICAL INSPECTION
ELECTRICAL INSPECTION**



**FUGITIVE PURSUIT
OUTDOOR
RECREATION
HUNTING
FARMING / RANCHING**



*Compatible with AA alkaline batteries, but improved performance can be obtained with lithium-style batteries



X320 – Compact Thermal Imager



X320
Compact Thermal Imager

X320 TECHNICAL SPECIFICATIONS			
FEATURES		X320	
FOCAL PLANE ARRAY	MATERIAL & STRUCTURE	Amorphous Silicon Microbolometer	
	PIXEL COUNT (RESOLUTION)	320 x 240	
	SPECTRAL RESPONSE	7 to 14 μm (filter bandwidth)	
	THERMAL SENSITIVITY	≤ 40 mK	
THERMAL IMAGING PERFORMANCE	START-UP TIME	5 seconds (includes 2-second display of start-up logo)	
	BRIGHTNESS/CONTRAST	Fully automatic	
	RANGE TO DETECT HUMAN ACTIVITY	Up to 800 yards (25mm)	
	E-ZOOM	2X, 3X, or 4X programmable e-zoom	
	INFRARED POLARITY	White hot, black hot, detection palettes and custom color modes	
OPTICS	FOV (H x V)	12° x 9°	
	FOCAL LENGTH (MM)	25 mm	
	MINIMUM FOCUS DISTANCE	3 ft. (1 m)	
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 (lithium recommended)	
	OPERATING TIME	6 hours with lithium at room temperature	
	AUXILIARY POWER	12 VDC input on rear outlet jack	
ENVINOMENTAL 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	Water-resistance to 3 ft. (1 m) submersion, buoyant. Shock-resistance (MIL-STD-810G, Method 516.6). *	
	EMC COMPLIANCE	FCC Part 15 & CE Mark	
PHYSICAL CHARACTERISTICS	SIZE	5 ½" L x 4 ½" W x 2" H (14 x 11.4 x 5.1 cm)	
	WEIGHT	13 oz (369g), batteries installed	
	EYE CUP	Integral to camera body	
ORDERING INFORMATION	CAMERA PART NUMBERS	30Hz Camera- NTSC: 5002021-1	
CAMERA FEATURES	<div><div><div>- White hot, black hot, detection palette and custom color modes</div><div>- On – screen battery level indicator</div><div>- Left- or right-hand operation with rugged slip-resistant grip</div><div>- ¼ - 20 tripod mount</div></div><div><div>- Tactile battery loading feature for stealth nighttime operation</div><div>- External power input and video output jacks</div><div>- Long eye-relief viewfinder for use with glasses, face shields, masks, etc.</div><div>- Push-button control to activate feature set</div></div></div>		
STANDARD EQUIPMENT	<div><div><div>- 2 AA lithium batteries</div><div>- Neck strap & wrist</div></div><div><div>- Lens cover</div><div>- Lens cleaning cloth</div></div><div><div>- USB cable</div><div>- Interface software</div></div></div>		
OPTIONAL EQUIPMENT	<div><div><div>- MOLLE- Compatible soft pouch - 5002070</div><div>- DVR Cable – 5002024</div></div><div><div>- BNC video cable – 5002068</div><div>- A/C power adapter - 5002067</div></div></div>		
Specifications subject to change without notice		X320	Rev. D July 2017

*Design qualified, units tested in production by request

