



X640

Compact Thermal Imager

Visimid X640- Ruggedized Ultra Compact Thermal Imager with 640 x 480 resolution and advanced features!



BENEFITS

- Simple one-button operation
- Greater scene detail with VGA 640 x 480 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
- Detect human activity up to 800 yards away (25mm) or up to 1100 yds. away (35mm)
- 2x - 10x 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 5 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
FARMING/RANCHING



HUNTING
GAME RECOVERY
PRE-SEASON SCOUTING
ANTI-POACHING

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



X640 TECHNICAL SPECIFICATIONS

FEATURES		X640
FOCAL PLANE ARRAY	MATERIAL & STRUCTURE	Amorphous Silicon Microbolometer
	PIXEL COUNT (RESOLUTION)	640 x 480 pixels
	SPECTRAL RESPONSE	7 to 14 μ m (filter bandwidth)
	THERMAL SENSITIVITY	\leq 50 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), Up to 1100 yards (35mm)
	E-ZOOM	2X- 10X programmable e-zoom
	INFRARED POLARITY	White hot, black hot, detection palettes and custom color modes
OPTICS	FOV (H x V)	24° x 18° (25mm) and 18° x 13.5° (35mm)
	FOCAL LENGTH (MM)	25 and 35 mm options
	MINIMUM FOCUS DISTANCE	3 ft. (1 m)
VIDEO	OUTPUT FORMAT	Simultaneous NTSC output available on rear outlet jack
	VIEWFINDER DISPLAY	Color LCD (640 x 480 pixels)
	VIEWFINDER DIMMING	Integral to power on/off switch
POWER	POWER SOURCE	2 AA batteries (lithium recommended)
	OPERATING TIME	5 hours with lithium at room temperature
	AUXILIARY POWER	12 VDC 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	Water-resistance to 3 ft. (1 m) submersion (IP67), 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) (Both Models)
	WEIGHT	13 oz (369g) for 25mm lens; 14 oz (397g) for 35mm lens, batteries installed
	EYE CUP	Integral to camera body
ORDERING INFORMATION	CAMERA PART NUMBERS	30 Hz - 24° Camera – 5002330-1 30 Hz - 18° Camera – 5002331-1
CAMERA FEATURES	<ul style="list-style-type: none"> - White hot, black hot, detection palette and custom color modes - On – screen battery level indicator - Left- or right-hand operation with rugged slip-resistant grip - ¼ - 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 shields, masks, etc. - Push-button control to activate feature set
STANDARD EQUIPMENT	<ul style="list-style-type: none"> - 2 AA lithium batteries - Neck strap & wrist 	<ul style="list-style-type: none"> - Lens cover - Lens cleaning cloth - USB cable - Interface software
OPTIONAL EQUIPMENT	<ul style="list-style-type: none"> - MOLLE- Compatible soft pouch - 5002070 - DVR Cable – 5002024 	<ul style="list-style-type: none"> - BNC video cable – 5002068 - A/C power adapter - 5002067
Specifications subject to change without notice		X640 Rev. D July 2017

*Design qualified, Production units not tested unless by request.