

# MIRV™ Miniature Infrared Viewer

## APPLICATIONS

- Commander's Viewer
- Special Operations
- Forward Observation
- Long-Range Reconnaissance
- Force Protection
- Law Enforcement

## POWERFUL MINI-HANDHELD OPERATION FROM A SINGLE "D" CELL BATTERY

New from FLIR Systems, the MIRV miniature infrared viewer raises the standard for high-performance handheld thermal imagers. Weighing in at less than 1.6 kg, complete with five-hour run-time battery and long focal length optic, MIRV combines long standoff range performance with unmatched portability. Exclusive low power electronics, user features designed specifically for the military community, and the ruggedized, sealed enclosure make MIRV the camera of choice for demanding field operations.

### HIGH-DEFINITION THERMAL IMAGERY

MIRV offers four times the thermal sensitivity of uncooled IR viewers, providing detailed images at long range in all climactic conditions. Target thermal imagery is displayed on a high-resolution miniature liquid crystal display integrated into MIRV and viewed through the unit's eyepiece.

### LONG-RANGE CAPABILITY

MIRV's detection range for a man-sized target is more than 1500 meters. Recognition range for a man-sized target is in excess of 500 meters. Also supplied as part of the standard product set are a wide field-of-view 75 mm focal length lens for situational awareness and a narrow field-of-view 150 mm focal length lens for long-range target recognition.

### RUGGED AND LIGHTWEIGHT

Developed per U.S. Department of Defense specifications, MIRV is fully sealed and ruggedized to withstand the demanding rigors of field operations. Weighing less than 1.6 kg, MIRV can be easily and single-handedly operated with minimal fatigue.

### SUPERIOR BATTERY LIFE

FLIR's third-generation focal plane array eliminates the reliability problems of mechanical scanners. Power consumption is lower, too. MIRV is powered by a single "D" cell lithium battery and can operate continuously for more than five hours.

### BACKED BY THE FLIR NAME

FLIR is the world's leading supplier of advanced infrared imaging systems for military, government, and law enforcement applications. With more than 30,000 systems fielded and a global network of service and training centers, FLIR assures you the experience, resources, and customer support you demand.



## SYSTEM SPECIFICATIONS

Video Format	RS-170 compatible, BNC connector
Power Requirements	4.5 W
Battery Life	"D" cell lithium battery >5 hours
Operating Temperature Range	-32°C to +49°C (-26°F to +120°F)
Storage Temperature	-33°C to +71°C (-27°F to +160°F)
Environmental Qualifications	Fully sealed and ruggedized
Audible Security	Inaudible at greater than 10 meters
Purge Port	ANVIS type purge port
Camera Controls	Gain, auto/gain, level, polarity, power on/off, low-battery warning, non-uniformity correction, reticle adjust, zero-zero, reticle select, focus
Mounting	Tripod mount 1/4-20 (Picatinny or NATO mount options)
Dimensions (nominal)	10.5"(L) x 4"(H) x 4"(W) (27 L x 10.2 H x 10.2 cmW)
Weight (including battery)	<3.5 lbs (<1.6 kg) complete including battery & lens
Eyepiece	Miniature LCD, diopter adjustment, protective eyecup for visual security
Color	Flat black, non-reflecting finish

## THERMAL IMAGER

Detector	256 x 256 IR pixels, InSb FPA
Spectral Band	3-5 $\mu$ m
Optics	f/4.0, minimum focus distance 1 meter
Field of View	
WFOV	75 mm 5.8° (h) x 5.5° (v)
NFOV	150 mm 2.9° (h) x 2.75° (v)
FPA Cooling	Closed-cycle Stirling
Noise Equivalent Temperature	0.020°C @ 23°C ambient

## ACCESSORIES

Storage/Transport Case	Hard shell, lockable with fitted foam insert
Lens Cap	Attached to camera
DC Power Adapter	6-28 VDC input
Lens Cleaning Kit	Complete cleaning kit in nylon pouch
Batteries	3 each, 3.6 volt, lithium sulfur dioxide
Operator's Manual	Covers operation and operator-level maintenance

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