

# MERLIN®

AUTOMATIC MOTION DETECTION  
 EMBEDDED VIDEO ANALYTICS  
 MULTISPECTRAL ANOMALY DETECTION



## APPLICATIONS

- SEARCH AND RESCUE
- MARITIME PATROL
- TARGET ACQUISITION AND TRACKING
- SURVEILLANCE
- LAW ENFORCEMENT

## FEATURES

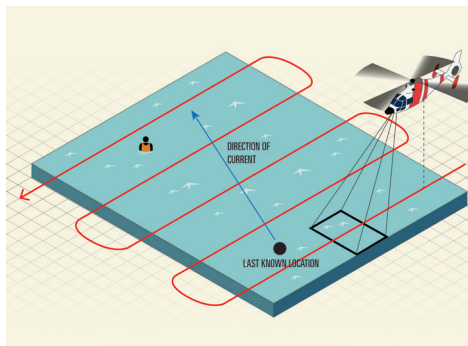
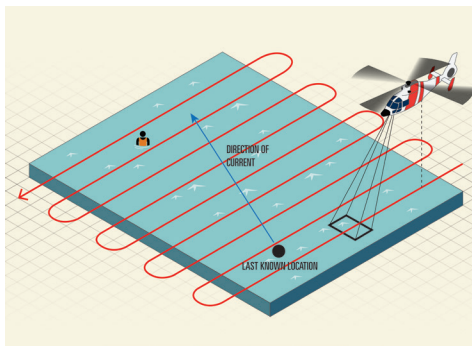
- Automatic Motion/Object Detection
- Expanded effective search area
- Operator Cueing
- Single-Pixel Detection
- Real-Time Video Analysis
- LSA Cueing Mode
- Adjustable Mission Parameters

## BENEFITS

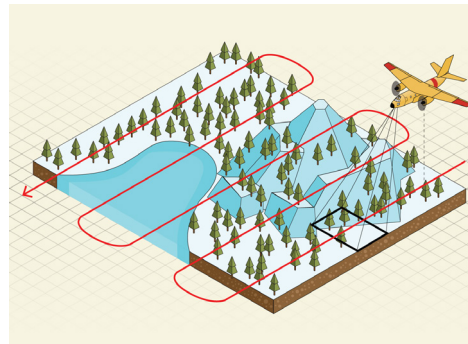
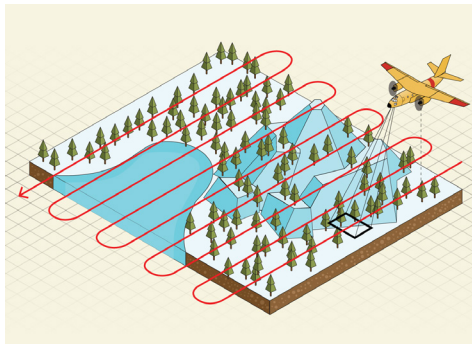
- Merlin recognizes and highlights moving objects within a scene at pixel level based on user-configurable parameters
- Operators can search in wider fields of view with better detection rates, so aircraft can cover more area faster and from greater altitude for safer, more effective operations
- Alerts operator to any motion within FOV for further interrogation, eliminates "tunnel vision"
- MERLIN analyzes every pixel in every frame – with enhanced sensitivity – to provide target detection at vastly increased range
- Operators get full system benefits without any bandwidth-induced image processing lag
- Cues off the colors used in life jackets, life rafts, and other life saving appliances (LSAs), and alerts the operator to their presence, even if they're as small as a single pixel
- Operators can adjust many of the system parameters to increase cueing reliability for different missions and areas of operation



MERLIN's automatic target detection lets operators use wider fields of view and operate from higher altitudes, making search and patrol operations safer and more efficient.



By allowing operators to search or patrol with wider fields of view, MERLIN allows them to cover a specified area faster and with a greater probability of detection when compared to legacy systems not outfitted with MERLIN's system-level intelligence.



Similarly, MERLIN also allows more effective operations from higher altitudes than those relying on standalone imaging performance.

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