



Real-time **Video Enhancement Software** for Live Aerial Feeds

When seconds count and decisions have to be made, no other solution provides you the clarity you need like Ikena ISR. Used by the most advanced military video exploitation sites, Ikena ISR meets the high-stakes needs of its most demanding customers through continuous innovation to fit their ever-changing requirements.

Addressing the myriad of issues found in full motion video, including those shot in HD, requires sophisticated technology. MotionDSP has developed advanced algorithms to account for each of these challenges to provide you with the best tools possible for improving the quality of your aerial video.

What sets Ikena ISR apart from the competition is its ability to accept a live 30 fps video feed (SD or HD), whether analog, digital, or IP, process it in less than 300 ms, and display it to an analyst's screen. All this can be achieved with Ikena ISR on an off-the-shelf laptop running Windows.



About Us

MotionDSP is a Silicon Valley-based company developing advanced image processing and computer vision software that helps organizations extract critical information from real-time video where money, time and lives are at stake.

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MotionDSP's Image Processing Algorithms

Over the **past eleven years**, we have perfected several patented algorithms to **get the most from your video**.



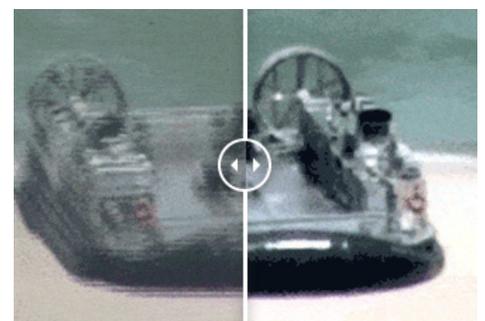
Super Resolution

Patented algorithm combines multiple frames of video to recover details and remove noise.



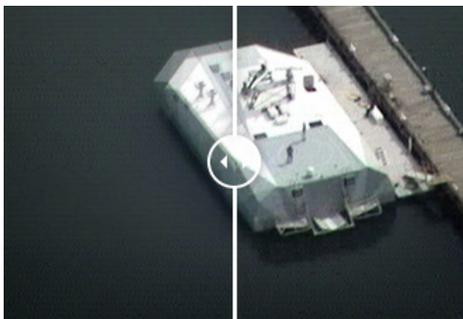
Radial Distortion Correction

Corrects the "fisheye" distortion of wide-angle lenses common on drones and GoPro cameras.



Stability

Stabilizes shaky video from the most extreme cases with multi-frame stabilization.



Deinterlacing

Recover 2x the resolution with our patented kernel regression deinterlacing.



Haze Reduction

Adaptively removes haze from video taken both at long distance or nearby.



Light, Color & Contrast

Helps you uncover details that you may otherwise miss in your video.