



1 WAVcam = 80,000,000 Pixels, 100 Miles² coverage, 90° view

IP video surveillance cameras are a long ways from the time the first sentry squinted his eyes trying to tell friend from foe. Today, the agencies tasked with watching our coastlines for drug shipments, protecting our borders from intruders and monitoring our critical infrastructure for terrorist activity are doing so with systems that were science fiction 20 years ago. Innovative Signal Analysis is one of the companies transforming science fiction into essential tools for security guards, the border protection agents and war fighters.

*One of the biggest challenges in the surveillance industry has been to cover a large area with only 1 camera without sacrificing the ability to detect a human from many miles away. Until now, you could use panoramic cameras to see very large areas or long range cameras to see objects from a great distance but, you couldn't see both with the same camera at the same time. Even more challenging is the ability to archive these wide areas in high resolution to support forensic analysis and event recreation. The industry has been waiting for someone to step up and answer the challenge. Our coastlines need a system with one camera that can detect a 20' boat full of drugs in 60-70 miles² of water and our borders need a system with one camera that can detect a pickup full of terrorists in 100+ miles² of open terrain. Our offshore platforms need a system with one camera that can watch an entire quadrant of their approach for pirates. Our petrochemical plants need a system with one camera that can see the thermal signature of a human planting an IED on the side of the road, miles away without losing sight of the front gate. We need a system with one camera that can be correlated with radar, sonar, blue force tracking, physical security sensors and nuclear/biological/chemical detectors to provide a persistent, multidimensional, multispectral view of people and assets scattered over dozens of square miles. The challenges are many. The answer is one – **1 WAVcam**.*

Innovative Signal Analysis (<http://www.signal-analysis.com>) is a provider of high performance signal and image processing solutions using state of the art optical, digital, and analog technology. ISA has extensive experience in developing and deploying mission critical processing systems for the US Government. The ISA Team provides extraordinary knowledge and experience in multiple engineering disciplines that is second to none. ISA's newest commercial product, the WAVcam, is a long-range video surveillance solution for homeland security applications and other situations that require persistent visual-domain awareness of very wide areas. Check out the WAVcam at www.wavcam.com, take it for a spin by signing up for a GoToMeeting webinar at <http://www.wavcam.com/contact/> or call Ray Hollida, Principle Application Engineer, at 210-865-5824.