

# WAVcam<sup>®</sup> -VIS

## Wide Area Video Camera: Long-range, persistent, wide area surveillance

- Visible Light sensor for High Definition day operation
- Simultaneous wide area coverage AND high spatial resolution
- **90°-wide** FOV – up to 360° coverage with multiple units
- Real-time display, detection, and detection history
- Extensive Video Storage with continuous real-time capture, instant playback and export



## Cost-Effective Persistent Surveillance

**WAVcam Area Coverage (1 WAVcam)**

**One WAVcam Does the Job of a Large Array of Cameras**

**Camera Array Area Coverage (20 to 40 Cams)**

WAVcam Option	Array: No. of Cameras (N)
WC-VIS-100	21
WC-VIS-200	41

WAVcam Model	Range = 1 mi		Range = 5 mi	
	GSD (in)	HFOV (mi)	GSD (in)	HFOV (mi)
WC-VIS-100	4.7	2	23	10
WC-VIS-200	2.3	2	12	10

**WAVCAM ADVANTAGES VS CAMERA ARRAY**

- LOWER EQUIPMENT COSTS
- REDUCED MAINTENANCE COSTS
- SUPERIOR DATA MANAGEMENT
- AUTO DETECTION & DETECTION HISTORY

	MC-VIS-100	MC-VIS-200
FOV	8° x 90°	4° x 90°
WAV resolution	1,920 x 22,680 pixels	1,920 x 44,280 pixels
WAV refresh rate	1 second per WAV	2 seconds per WAV
Power input	120 VAC	120 VAC
Sensor power consumption	250 W @ 2A	250 W @ 2A
Sensor unit weight	60 lbs approximately	60 lbs approximately
Sensor unit size	29.2" x 16.1" x 10.7"	29.2" x 16.1" x 10.7"
Sensor enclosure rating	NEMA 4	NEMA 4
Sensor operating temp	-10° C to 50° C	-10° C to 50° C

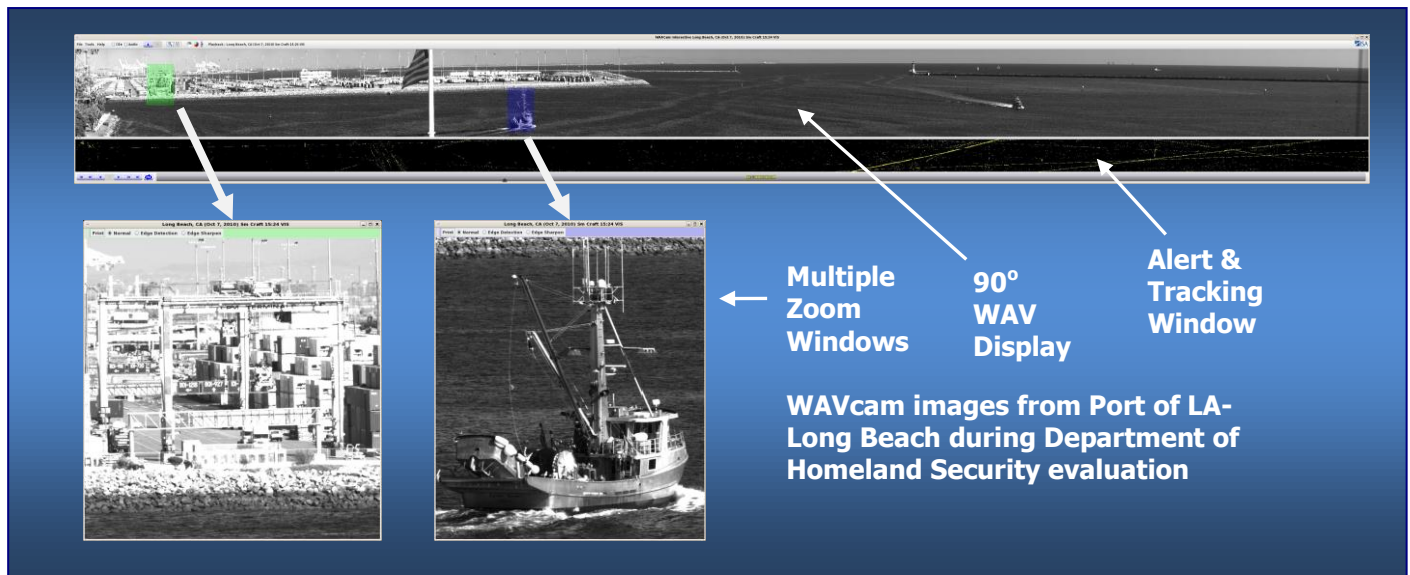
NOTE: Values may be affected by scene content, lighting conditions, lens and system parameter settings.

# Automatic and User Functions

***Includes Wide Area Video Display, Detection and Tracking Capabilities***

## Features:

- Three window types: (1) Real-time display of 90°-wide FOV with approx. 1 Hz update, (2) Alert and Tracking Window, and (3) multiple Zoom Windows for target identification
- Full support for multiple operators, network access, and multiple screen displays
- Software for internal image stabilization, automatic gain control, and target detection & history
- Built-in camera controls, video playback & storage controls, and digital zoom
- Interfaces to other surveillance functions, such as Common Operating Picture systems
- Enables persistent surveillance of very wide areas at an affordable cost
- Acts as a force multiplier for operators responsible for wide area surveillance
- Graphical user interface displays the WAV and track history of all detected moving objects



## User Computer and Display Requirements:

Operating System:	Windows, MAC OSX, Linux
Hardware:	Typical network-connected desktop workstation. For best performance, Quadcore x55xx equivalent or better, Fast Ethernet, 4 GB RAM
Display:	WXGA or better, WSXGA or HD is recommended. Two 20" or larger displays enhance view provided by the 90 ° WAV display.

## Functions and Analytics:

WAVcam is designed for persistent surveillance jobs demanding constant wide area coverage and target detection. Using an intuitive display technique, operators quickly recognize the track "signature" of various target types and are provided a graphic indication of motion direction and velocity. Multiple resolution views, (each with digital pan/tilt/zoom capability), of a target of interest can be selected with a single click on the target area within the WAVcam field of view.

## WAVcam Applications:

Border Security  
Law Enforcement Surveillance  
Critical Infrastructure Surveillance

Port/Coastal Security  
Perimeter Surveillance

Airport Security  
Disaster Response