



# HOVERMAST AQUILA

## Delivering The Leading Mobile Tethered Hovering Platform In The World

Whether your mission is locating illegal attempting to cross your border, crowd control at a political rally, or perhaps increasing security at your local electricity plant, HoverMast Aquila system, tethered hovering machine, combines engineering genius and innovative materials to provide exceptional observation and surveillance capabilities



DETECT MOVING  
OBJECTS



COVER LARGE  
AREAS



QUICK  
DEPLOYMENT



SMALL  
PLATFORMS



HIGH MOBILITY



ALL WEATHER



DAY/NIGHT



PASSIVE



AFFORDABLE



Hovering height Up to 100 m  
 Payload Up to 10 kg  
 Wind limit 30 Kt. plus gusts  
 Deployment time in seconds  
 Storage time in seconds  
 Operational time: Unlimited (Generator)

- E/O Triple sensor: IR, CCD, Laser
- Dual Channel Aerial Mesh

**CONTROP**  
Turning Vision Into Reality



## WITH T-STAMP C-ER BY CONTROP

- IR Camera with Cooled 3-5 micron Camera with x 6 Continuous Optical Zoom Lens
- CCD Day TV Camera with x 10 Continuous Optical Zoom Lens
- Laser Pointer



Can Detect a person from 4Km at night!



## Wave Relay Advantages

- Position Location for all Radios shared throughout the network.
  - Multiple Video Streams directly in real time.
  - Quickly integrates additional sensors to create a holistic view of the situation.
  - Enables all team members to actively participate in data gathering and distribution.
  - Constant mesh at up to 100m over comes obstacles or rough terrain blocking the line of sight.
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- The operator can focus on the payload inputs
  - The system constantly monitors all systems and alerts the operator only when needed



# AQUILA family products



	AQUILA-50	AQUILA-EXO	AQUILA-50S	AQUILA-100
	Mobile	Marine	Stationary	Mobile
Hovering Height (m)	50	50	50	100
Payload (kg)	6	6	6	10
Wind limit (kt)	25	25	30	30
Deployment time (seconds)	15	15	15	15
Redeployment time (seconds)	15	15	15	15
Operational time	Unlimited	Unlimited	Unlimited	Unlimited
Mobility	+	+	-	+
Remote operation	+	+	+	+

## E/O PAYLOADS

		DST OTUS-135	DST OTUS-170	DST OTUS-205
				
Sensors	Day	SONY FCB-EX1020	SONY FCB-EX1020	SONY FCB-EX1020
	IR	Uncooled IR	Uncooled 320 IR	Uncooled 640 IR
	Laser	Range Finder	Range Finder	Range Finder
Gimbals		2	2	2
Weight (Kg)		2.4	2.4	2.7

NanoSAR	Wave Relay	AMMS	Cell Antenna
			
Synthetic Aperture Radar	ADVANCED MOBILE AD HOC NETWORKING	Acoustic Multi-Mission Sensor	Cellular Communication

## AQUILA PRODUCTS TO MARKET

### Applications

- Border control
- Anti-terror activities
- Battle information fusion
- Port security
- Federal & local law enforcement
- Cellular communication
- Mine control
- Mega event protection / Large event monitoring
- Special forces / Crowd control
- Infantry and naval operations
- Fire fighting missions
- Forests Surveillance & Nature Reserves
- Urban warfare & Disaster area missions
- Communication in a variety of missions
- Critical infrastructure protection
- Electricity infrastructure monitoring
- Oil and gas pipelines and rigs
- Perimeter security for enterprises' critical infrastructure
- .... *and many-many other*



### CIVILIANS

- News Agencies
- Power Supplies Companies
- Sporting Events
- Photographers
- Architects
- Agriculture



### HOMELAND SECURITY

- Police
- Fire Fighters
- Border Control
- Security Companies



### MILITARY

- Armory Units
- Border Control
- Infantry Units
- Naval Ships