

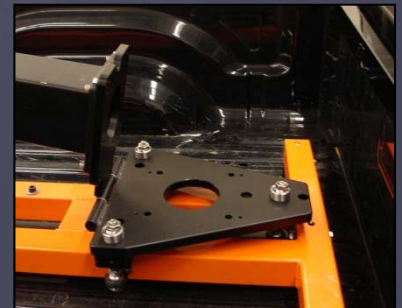
mSENTRY™

Secure & Deter Seven Square Miles In Tough Terrain



mSentry 4x4

Mobile Surveillance & Deterrence
PATENTS PENDING



JETprotect Corporation
Aerospace Safety & Defense

ActiveSentry™



mSENTRY™ MOBILE SURVEILLANCE & DETERRENCE

Radar Plus Thermal, Near-IR and Visible Cameras Geo-Aligned
 Compact Frame and 7' Hinged Mast Fits Standard 4x4 Truck
 Photonic Deterrence™ Bore Sighted to Cameras



PATENTS PENDING

Security Solution

General:

4x4 Truck for Rugged Terrain Access
 Automated 7 Square Mile Surveillance
 Multiple Target Tracking & Archive
 RF/IR/NIR/R-G-B Image Capture
 Red/White/Blue/NIR Deterrence
 Embedded Solution Processor
 IP LAN/WAN Communication

Mechanical:

Chase X1™ 53 cm Wingspan
 26 cm Ht x 32 cm Deep
 19.5 Kg

VFR™ Radar 46cm Dia x 33cm ht
 10.0Kg

4x4 Rig Stick7™ Mast
 Isolated Bed Frame
 Hinge & Leveling Plate
 Hard Cases & Rack

Electrical:

Power System 24VDC, 84Ahr Battery
 GEL Capacity Gauge
 Volt & Amp Meters
 Wireless Router - USB
 AC Charger Included

Power Draw 120W All On

Optical Output:

LED Emission 3,500 Lumen Total
Colors Red, White, Blue, NIR
Alignment 12° Beam, Aligned
Power Draw 51W

Radar:

Radial Ranges .7Km/1.4Km/2.8Km
Penetrate Rain, Fog, Snow, Night
Emission Safe

Temperature:

-30 to +65 C Standard
 -40 to +75 C Optional



ChaseX1™

Interrogator™:

IR Array Size	640x480
IR Detector	VOx
IR Lens	100mm, Athermalized
Visible/NIR Size	640x480
Visible/NIR Detector	CCD
Visible/NIR Lens	Vari-focal, 36x Zoom
LAPL™ Illuminator	Class IIIb
Embedded EP1™ Processor	ATOM™ DualCore
	4GB RAM,
	64GB SSD

Chase 8™ Positioner

Pan/Tilt Torque/Pointing	12Nm/.01° 2*sigma
Pan Movement Range	360°, Slip Ring
Pan Speed (Resolution)	60°/s (.001°)
Tilt Movement Range	+20° to -40°
Tilt Speed (Resolution)	60°/s (.001°)

CL3500™ Illuminator:

Continuous Output	3,500 Lumens
LED Independent Power Control	3 Banks
	Brightness/Time

Software

General:

Autonomous Site Security Solution
 Window's Xp PRO OS
 Simple Setup & Calibration
 Run From Cab or iPad
 Operate from Stand-Off Position

Sensor Analytics:

EDGEserver™
 Rapid Background Acquisition
 Motion Detection
 Segmentation & Metric Export
 IR/NIR/Visible Camera Control

RADserver™

FMCW radar target processing

CHASEserver™

Cameras, LAPL, CL & P/T Control
 DVR

CSServer™

Counter Surveillance Metrics
 GigE VTA Interface

Cortex™

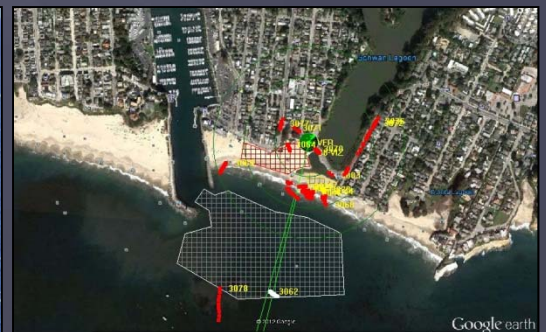
Calibration/Command/Control
 Map & Sensors Geo-Calibration
 Simple Zone & Rule Creation
 Actions Upon Zones Breached
 Hosts on Laptop or on Interrogator™

Lieutenant™

Human Portal at Site or Over Cloud
 View & Control Site Sensors
 Instant Alert Notification
 Multiple Site Monitor
 iPhone/iPad Application on iTunes

Integrator Support:

Open Source ASCII Interface
 XML ICD0100 Proxy Server
 SDK Third Party Support



JETprotect Corporation



Research / Manufacturing

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EXCLUSIVE DISTRIBUTION & SALES



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