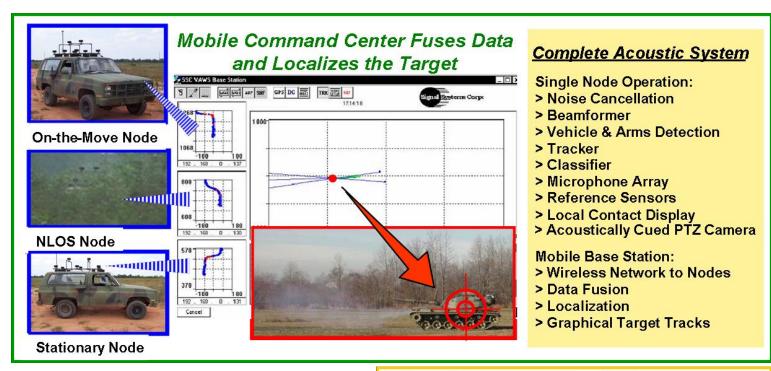
Vehicle Acoustic Warning and Surveillance System



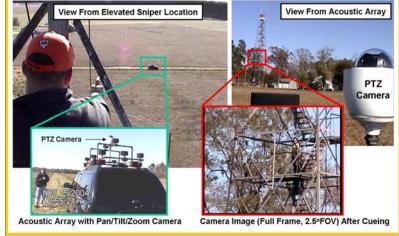


Features

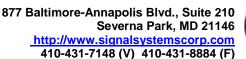
- > Fully Integrated Acoustic Sensor
- > Technology Readiness Level 6
- > Industry Leading Noise Cancellation
- > On the Move Operation
- > NLOS Sensing
- > Contact Report Output

Benefits

- > Increased Tactical Mobility
- > 300% increase in detection range
- > All functions adapted to ground vehicle





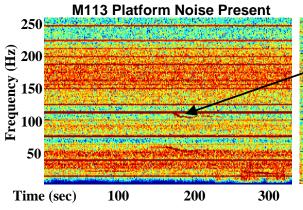




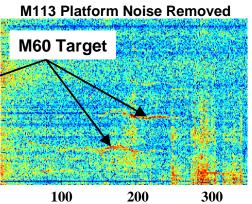


Processing Options Target Processing Vehicle Processing Display Wirdow Left Right Block 288 Tachoneter Track Listening for cornection on port 5100 Cornected Inhibition muze blost ANC... Inhibition muze blost detecton. Inhibition yethic detection ANC... Inhibition yethic detection ANC... Inhibition yethic detection signal processing... Inhibition yethic detection signal processing... Track reports

Typical VAWS Specifications Parameter Engine @ Idle **Vehicle Detection Range** 100 to >2000m Impulse Detection Range 600-3000m 10 to > 40 dB **Platform Noise Reduction** Reliable Speech Intercept Range >5m **Vehicle Localization** <10degree azimuth error Multi-node Localization <20% range error Power <75 watts **Processing Electronics** 3 3u cards Sensor Volume (each) 14 in3 **Number of Sensors** 1-16 <12 lbs Sub-System Mass (w/o cables) TCP/IP **Network Protocol Real Time Operating System** Integrity



VAWS Node Display



VAWS
Cancellation
Performance
Spectrograms

VAWS Node Functional Block Diagram

