

# REMOTE AIR SENSOR POD

Small/Medium UAS Cooperative ISR



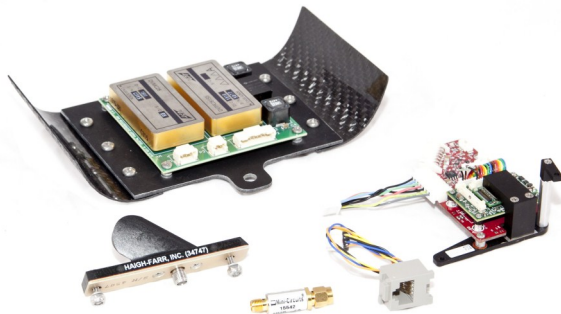
## BENEFITS:

- Listen , Locate and Watch
- Lightweight, All-weather, Detachable
- Intuitive Display for effortless use
- Cooperative operation for rapid geolocation

The RASP is the only detachable, low power radio direction finding systems that targets VHF and UHF radio bands and still allows for video streaming. The RASP is a new addition to the Praemittias Systems suite of situational awareness sensors. Users can listen to and locate Push-To-Talk radios from a mobile position separate from the ground control station.

The RASP comes with a video encoder board that allows Secure, Digital, High Definition multicast video transmission to forward operators. The operator will have both geolocation data and a video stream on the same display. The RASP utilizes improved line of sight, increased stand off, extended visual zoom from the camera to detect, identify, and locate potential hostile emitters.

To learn more about the RASP and other Unmanned and Manned Payloads that have been developed contact Praemittias Systems at [PSL-INFO@praemittias.com](mailto:PSL-INFO@praemittias.com)



### PHYSICAL

<b>Pod Weight</b>	<b>3.2 lbs.</b>
<b>Power and Video Board</b>	<b>0.8 lbs</b>
<b>Power</b>	<b>@28 volts, ~14 watts and 0.5 amps</b>
<b>Mounting</b>	<b>Detachable</b>

### DF SPECIFICATIONS

<b>Frequency Range</b>	<b>136-174 &amp; 400-500 MHz</b>
<b>Scan Speed</b>	<b>43 Channels Per Second</b>
<b>Demodulation</b>	<b>AM, FM, CW, LSB, USB</b>

### DOWNLINK

<b>Cooperative DF</b>	<b>Utilizes existing MESH network for quick Cuts and Fixes</b>
<b>Multicast Video</b>	<b>UDP, through VLC player on remote device</b>