

The Wasp Air Vehicle is equipped with four channels/frequencies to allow multiple systems to operate in proximity. However, it is recommended that systems operate no closer to one another than 400 meters. See Section 5.2.14 for more information on operating multiple systems in proximity. The channels operate at the frequencies listed in Table 1-4.

Table 1-4 BATMAV Frequencies

| Channel | Uplink (MHz) | Downlink (MHz) |
|----------------|---------------------|-----------------------|
| 1 | 395.000 | 1787.5 |
| 2 | 395.050 | 1810.0 |
| 3 | 395.100 | 1840.0 |
| 4 | 394.950 | 1760.0 |

1.4 Payload

The Wasp Air Vehicle carries two integrated EO cameras on the underside of the wing. The cameras are mounted in front- and side-look orientations. Camera characteristics are listed in Table 1-5. The Air Vehicle is also able to carry a modular payload pod housing either an EO PTZ digitally-stabilized camera (front- and side-look) or a 320 x 240 thermal nighttime camera (front- or side-look with zoom capability).

Table 1-5 Camera Characteristics

| Parameter | EO | EO PTZ | IR |
|------------------|-----------|---------------|-----------|
| Video Resolution | 380 lines | 2048x1536 | 320x240 |

1.5 Ground Control Station (GCS)

The Wasp Air Vehicle is controlled by the GCS. The system can be set up and operated using several configurations:

- Laptop with Joystick
- Single Hand Controller
- One Hand Controller with Laptop