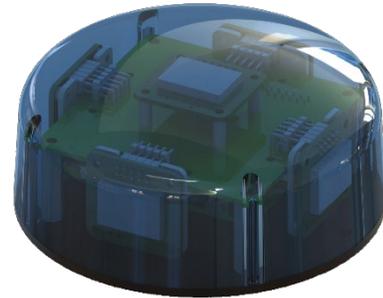




## **OleaVision360™ Data Sheet**

- 5 integrated 24 GHz Radar Sensors
- Continuously scans surroundings and terrain in harsh environments
- Up to 5 directions of obstacle avoidance
- Uses one ultra-light weight, 100 mm size sensor
- One-centimeter accuracy in anticipation of obstacles
- Detection range of 20 meters (65 feet)
- Discriminates between animate and in-animate objects
- Hemispherical field of view without rotors or beam-forming technologies



### **Processing, Programming & Memory**

- On-board, high-performance 16-bit data acquisition system
- Processor Quad core Cortex-A53 64-bit SoC @ 1.4 GHz; 512MB LPDDR2 SDRAM
- MCU Cortex-M4 32-bit ARM

### **Connectivity**

- CAN Bus Interface (data & power)
- Dual-band 2.4 GHz and 5 GHz wireless LAN, and Bluetooth 4.2/BLE

### **Power**

- 5 volts DC Power source from Drone via CAN bus

### **Compliance**

- Compliance to FCC, CE, ETSI, UL or FDA certifications
- Units are fully RoHS compliant
- Radar subsystem complies with ETSI 300 440 and FCC 15.245 (US version)
  - Radar frequencies:
    - 24.05 – 24.25 GHz (ISM/EU)
    - 24.075 – 24.175 GHz (US/JP)

### **Software and Data Acquisition, Storage & Analysis**

- Licensed Software (delivered with OS-9005)
  - On-board Olea customized firmware/software
  - OleaVision™ Remote Monitoring Dashboard
  - Compatible with DJI Matrice 100 drones
- OleaVision™ Guidance System Machine Learning Algorithms & Analytic software available

Ask us about our capabilities to deliver device features & custom software to meet your requirements

Note: All specifications are subject to change without notice and to verification at time of purchase.

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