



# Vireo-X™

## Vertical Take-off / Landing (VTOL) Kit for Vireo™ UAS

The Vireo-X™ represents a revolutionary new approach to the unique capabilities of both fixed wing and vertical take-off and landing (VTOL) unmanned aerial systems (UAS). An adaptation of the fixed wing Vireo™ UAS, Vireo-X offers both VTOL and fixed wing airborne imaging in a single, low-cost system. It allows users to quickly convert to a VTOL system without the need to buy a completely separate

system. It automatically detects the configuration in which the aircraft is operating and uses the same payloads, datalink, autopilot and ground stations as the Vireo UAS. This provides users the flexibility to choose the best configuration for the mission at hand without the additional cost of a second system type and additional training. The Vireo UAS is designed to deliver actionable data to law enforcement,

government agencies, agriculture producers and first responders. It carries a variety of imaging payloads for day or night use, and sends imagery in real time through an open architecture datalink to a ground station where the data is used to assist in decision making. The Vireo-X VTOL conversion can be launched and recovered from virtually any surface and provides up to 30 minutes of airborne operation.

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### Benefits & Features

- One-step swap between fixed wing and VTOL configurations — No tools required
  - System automatically detects fixed wing or VTOL — No manual configuration by user required
  - Flexibility to choose the best configuration for the mission
  - Reduces the cost of purchasing two completely different systems, logistics and training
  - Compatible with all Vireo UAS plug-and-play payloads
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Easily swap between Vireo™ fixed wing and VTOL configurations; no tools required.

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### Performance Specifications

Gross Takeoff Weight	4.4 lbs. / 2 kg
Width	24 in. / 60 cm
Cruise Speed	Up to 25 knots
Endurance	Up to 30 minutes
Payload Capacity	0.5 lbs / 227 g
Range	10 km
Wind Performance	Up to 20 knots
Landing Accuracy	< 10 m

### Imagers

Night	LWIR: 640 x 480 SWIR (option): 640 x 480
Daylight	SD color/B&W EO: 640 x 480 HD color EO (option): 720p HD video, 3840 x 2744 (10 MP)
Agricultural	Multi-spectral, NVDI, 3.2 Mpix, geo-registered
Aerial Mapping	10 Mpix color, geo-registered

Compatible with all Vireo™ UAS payloads and ground station.



Ground control station



High resolution live video and still imagery.

Zoom in for more detail.



Multiple payloads available

### For additional information:

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