



PAYLOAD & SENSOR OPTIONS

Our high-performance drones equipped with state-of-the-art payloads and sensors are tailored to meet your specific needs. With unparalleled precision, reliability, and versatility, our drone solutions empower you to capture stunning visuals, gather critical data, and accomplish tasks efficiently and effortlessly.

We take pride in our commitment to quality, which is why we partner with leading sensor providers to ensure cutting-edge technology and unparalleled performance. Our collaboration with these trusted partners guarantees that our drones are equipped with the most advanced and reliable sensors in the industry.



GIM-ADTI-1A

Draganfly 24MP RGB | 3-axis Gimbal

SONY A5100 SENSOR | INCLUDES TRANSPORT CASE

- **3-axis stabilized gimbal** with remote tilt and pan control
- **24MP RGB** still imagery
- **Sony APS-C CMOS** sensor
- Interchangeable **E-mount lens**
- Includes **Sony 16-55mm lens** with electronic zoom (i.e. 3x zoom)
- Remote operation for **zoom, shutter, and video recording**
- Automated data collection through **DGroundControl**
- Real-time video link

GIM-ADTI-1A-MNT

Draganfly 3-axis Gimbal

GIM-ADTI-CASE

Draganfly Payload Transport Case

Compatible with: **Commander 2 | Commander 3 XL**

E.G. INSPECTIONS, PHOTOGRAPHY, PHOTOGRAMMETRY, CRIME SCENE RECONSTRUCTION, SURVEYING, AGRICULTURE



MAPGIM-ADTI-1A

Draganfly 24MP A5100 Mapping Payload | 2-axis Gimbal

NADIR ONLY | INCLUDES TRANSPORT CASE

- **2-axis stabilized gimbal** with remote tilt control
Gimbal is stabilized on pitch and roll only to maintain **NADIR orientation for mapping.**
- **24MP RGB** still imagery
- **Sony APS-C CMOS** sensor
- Automated data collection through **DGroundControl**
- Remote operation of **shutter and video recording**
- Real-time video link
- Interchangeable E-Mount lens
- Includes **Sony 20 mm lens** (fixed focal length)

MAPGIM-ADTI-MNT-1A

Draganfly ADTI Mapping 2-axis Gimbal Mount

Compatible with: **Commander 2 | Commander 3 XL**

E.G. MAPPING, SURVEYING, AGRONOMY



GIM-ADTI60-1A

Dragonfly 60MP RGB Camera | 3-axis Gimbal

INCLUDES TRANSPORT CASE

- **3-axis stabilized gimbal** with remote tilt and pan control
- **60MP RGB** still imagery
- **Full Frame BSI COMS** sensor
- Interchangeable E-mount lens
- Includes **Rokinon 35mm F2.8 Auto-Focus (AF)** lens
- Remote operation for shutter
- Automated data collection through **DGroundControl**
- Real-time video link



Compatible with: **Commander 3 XL**

E.G. INSPECTIONS, PHOTOGRAPHY, PHOTOGRAMMETRY, CRIME SCENE RECONSTRUCTION, SURVEYING, AGRICULTURE



Payloads are mountable on all Dragonfly airframes, and customizable to suit all your mission specifications.

GIM-WATEC2400S-1A

Watec 2400S Low Light RGB Camera | 3-axis Gimbal

TAMRON LENS | LOW LIGHT CAPABILITY

- **3-axis stabilized gimbal** with remote tilt and pan control
- Sensor: **1/2.8-inch BSI CMOS**
- Output size: **1920x1080, 1280x720, 800x600**
- Video compression: **H.264, MJPEG**
- Minimum illumination: **0.007 lx F1.2** (AGC HIGH=72dB, Shutter=OFF)
- Operating temperature: **0 - +50°C**
- Lens mount: **CS mount**, includes **Tamron M13VG288IR** with Auto Iris
- NDAA compliant



Compatible with: **Commander 2 | Commander 3 XL**

E.G. SECURITY | SURVEILLANCE | SEARCH & RESCUE APPLICATION WHERE THERMAL IS NOT THE RIGHT FIT



Payloads are mountable on all Draganfly airframes,
and customizable to suit all your mission specifications.

GIM-VUEPROR-1A

Draganfly Thermal Sensor Solution | FLIR VuePro R 640 | 3-axis Gimbal

INCLUDES TRANSPORT CASE

- **3-axis stabilized gimbal** with remote tilt and pan control
- Remote operation for **shutter and video recording**
- Real-time video link
- Radiometrically calibrated
- Automated data collection through **DGroundControl**
- NDAA compliant
- Sensor Resolution: **640 x 512**
- Spectral Band: **7.5 - 13.5 μ m**
- Accuracy: **+/- 5° C or 5%**



Compatible with: Commander 2 | Commander 3 XL



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and customizable to suit all your mission specifications.

MAPGIM-MX-1A-MNT

Draganfly RedEdge MX Mapping Payload | 2-axis Gimbal Mount

MOUNT IS AGNOSTIC TO ANY MICASENSE SENSOR

- **2-axis stabilized gimbal** with remote tilt control
Gimbal is stabilized on pitch and roll only to maintain **NADIR orientation for mapping.**
- Automated data collection through **DGroundControl**
- Remote control for shutter
- Incorporates **MicaSense DLS2**
- NDAA compliant

MAPGIM-MICA-CASE

Draganfly Micasense Payload Transport Case

Compatible with: Commander 2 | Commander 3 XL



We partner with the best sensor manufacturers globally and integrate a diverse range of sensors and cameras into our OEM and third-party drone infrastructure to support unique use cases. Our team will be happy to work with you to design and develop a custom solution to efficiently capture your niche dataset from the air.

MAPGIM-ALTUMPT-1A

Draganfly Altum PT Mapping Payload | 2-axis Gimbal Mount

NADIR ONLY | TRANSPORT CASE INCLUDED

- **2-axis stabilized gimbal** with remote tilt control. Gimbal is stabilized on pitch and roll only to maintain **NADIR orientation for mapping**.
- **5 Band Multispectral, Thermal, and Panchromatic RGB**
- Automated data collection through **DGroundControl**
- Remote control for shutter
- Integrated **MicaSense DLS2**
- NDAA compliant



Spectral Bands

- Blue 475nm (32nm)
- Green 560nm (27nm)
- Red 668nm (14nm)
- RedEdge 717nm (12nm)
- NIR 842nm (57nm)

Resoluton

- Multispectral: 3.2MP per band
- RGB: 12MP per band
- Thermal: 320x256

Compatible with: Commander 2 | Commander 3 XL

MAPGIM-REEDGE P-1A

Draganfly RedEdge P Mapping Payload | 2-axis Gimbal Mount

NADIR ONLY | TRANSPORT CASE INCLUDED

- **2-axis stabilized gimbal** with remote tilt control. Gimbal is stabilized on pitch and roll only to maintain **NADIR orientation for mapping**.
- Automated data collection through **DGroundControl**
- Remote control for shutter
- Integrated **MicaSense DLS2**
- NDAA compliant



Spectral Bands

- GSD at 120m (400ft) AGL
- **7.7cm / pixel** multi-spectral
- **3.98cm / pixel** panchromatic
- Blue 475nm (32nm)
- Green 560nm (27nm)
- Red 668nm (14nm)
- RedEdge 717nm (12nm)
- NIR 842nm (57nm)

Compatible with: Commander 2 | Commander 3 XL

XL-DELVBOX-7KG

Draganfly Commander 3 XL Cargo Delivery Box

- Precision Delivery System: **Quick-Release Box**
- **7kg or 15lbs** maximum payload capacity
- **Targeting (FPV) camera** integrated
- **Automated release function** included in the GCS module
- Easy installation using **quick-connect latches**

Compatible with: Commander 3 XL



XL-WINCH

Draganfly Commander 3 XL Cargo Delivery Winch

- Precision Delivery System: **Drop-down Winch**
- **5kg or 11lbs** maximum payload capacity (1kg payload weight minimum)
- **Targeting (FPV) camera** integrated
- **0.4 m/s speed for winching** (this is customizable based on the customer's needs)
- Up to **50m line length** (10m recommended)
- Optional: can be configured as a **drop mechanism**

Compatible with: Commander 3 XL



CMDR2-WINCH

Draganfly Commander 2 Cargo Delivery Winch

- Precision Delivery System: **Drop-down Winch**
- **500g or 1.1lb** maximum payload capacity (100g payload weight minimum)
- **Targeting (FPV) camera** integrated
- **0.4 m/s speed for winching** (this is customizable based on the customer's needs)
- Up to **50m line length** (10m recommended)
- Optional: can be configured as a **drop mechanism**

Compatible with: Commander 2



XL-UPM

Draganfly Commander 3 XL Universal Payload Mount

- DFI Custom made payload mount for **universal attachment of various payloads**
- **Targeting (FPV) camera** integrated

Compatible with: Commander 3 XL





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DF-M2DEOIR-V2

SPI M2-DEOIR V2 Thermal and RGB Dual Camera Payload

TRAGET TRACKING | 20X OPTICAL ZOOM

- Dual stabilized EO/IR camera
- 20x optical zoom + 2x digital zoom (40x zoom capability)
- Target tracking
- 3-axis gimbal
- Thermal imagery with 640x480 high resolution camera
- Non-continuous pan
- Remote control for zoom, tilt, and pan
- FOV 60° WFOV – 3° NFOV – 1.5° DFO
- PITCH FOR -45° to +135
- YAW / ROLL FOR -180° to +180°



Compatible with: Commander 2 | Commander 3 XL

OPTIONAL RTK ENABLEMENT OPERATIONS



EMLIDREACHRS2+

Emlid Reach RS2 + RTK GNSS

MULTI-BAND RTK GNSS RECEIVER

- Enables RTK operations for the Commander 2 and Commander 3 XL
- Easy set-up operations
- Improves GPS accuracy
- Useful for precision mapping

Compatible with: Commander 2 | Commander 3 XL

E.G. SURVEYING, MAPPING, AND NAVIGATION

* NOT RECOMMENDED FOR USE WITH SENSORS WITH INTEGRATED GPS UNITS SUCH AS MICASENSE



Contact our sales team for confirmation of compatibility with your airframe and to discuss customization options.

ABOVE ALL ELSE

Work with **Draganfly** on the **Perfect Solution**

As an original manufacturer, our in-house expertise provides partners with unparalleled support to ensure critical systems are ready to deploy at a moment's notice.

With a one-year warranty and lifetime product support and service, confidently choose us as your committed partner for enhancing your safety programs.

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