FRONTIER PRECISION
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FREEFLY

ASTRO
BUILT TO FLY, MADE WITH CARE

Made in USA

BLUE UAS

NDAA COMPLIANT

FREEFLY

At Freefly we have been focused on building the world's most efficient professional drone ecosystem for the last decade. We went from a garage startup to powering the majority of film and tv productions in under 5 years. While our early focus was film and video, we realized along the way our drones could do so much more. Our customers rely on us to produce tools that allow them to substantially outperform the marketplace. One of the metrics we are most proud of at Freefly is creating 10x more revenue for our customers than we have captured.

ASTRO

Astro was built to power our professional and industrial partners. We designed the Astro from the ground up to achieve the perfect blend of efficiency, agility, and reliability while keeping the pilot workflow simple and fast.
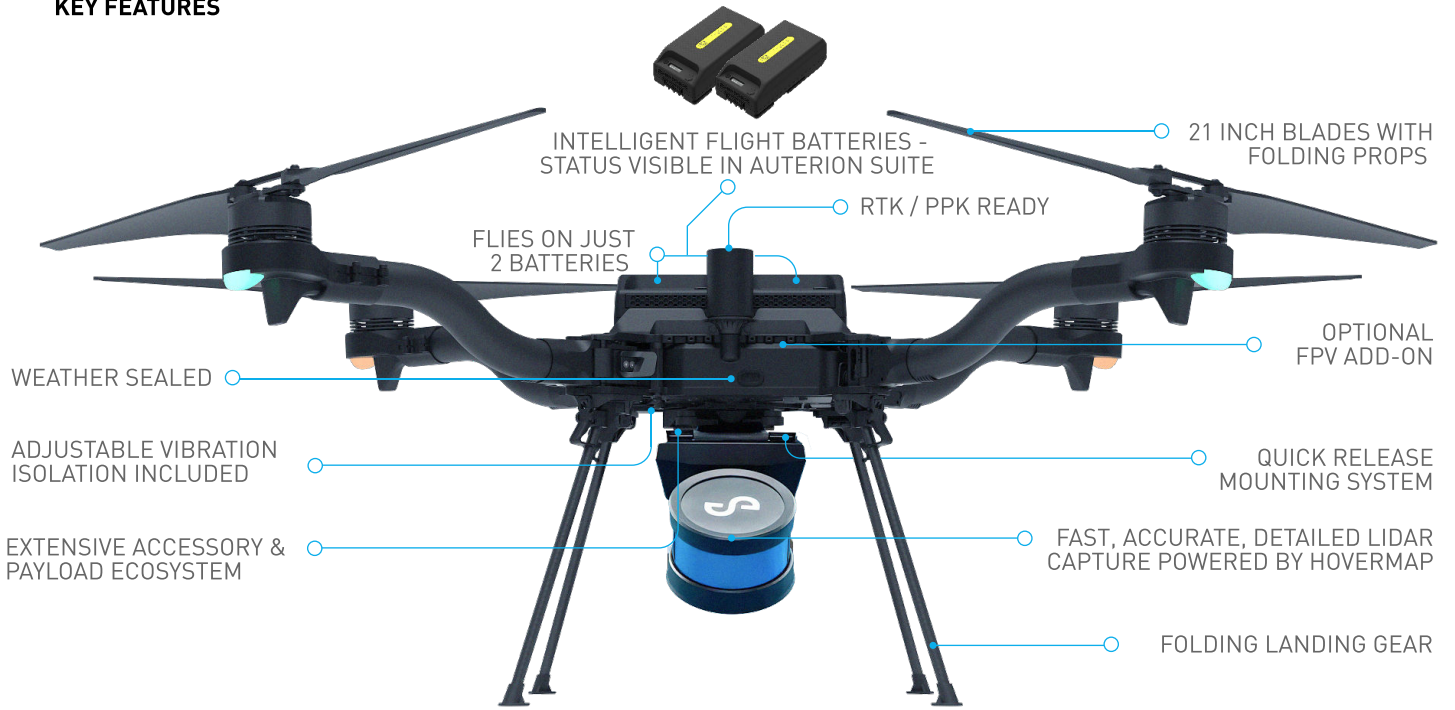
PILOT PRO

Enjoy precise camera and gimbal control with Pilot Pro. Discreet controls for all key drone and gimbal commands allow pilots to capture more and work faster. Machined from aerospace grade aluminum and built to keep up with you day after day. Pilot Pro has internal batteries and external hot swap batteries for 100% uptime.

WHY FREEFLY?

- Open PX4 flight stack - modify and adapt Astro for your use case.

- Dedicated US based engineering, operations, and support team

- Designed and assembled with love in United States

- Training program for your team (at Freefly or onsite)

- Robust testing and validation methodology (we break things so you won't have to)

- Open and communicative team (we share CAD, test specs, engineering documents, wiki to help you integrate and succeed more quickly)

- In depth documentation (Wiki, Knowledgebase, Tutorial videos)

- Customization - Our team is here to help you realize your integration or customization. We know how to get you in the air quickly and efficiently

- Partners - Freefly is a pioneer in the drone industry. We have established partnerships with the best companies in the industry to help create a robust ecosystem that can tackle any problem

KEY FEATURES

INTELLIGENT FLIGHT BATTERIES -
STATUS VISIBLE IN AUTERION SUITE

21 INCH BLADES WITH
FOLDING PROPS

RTK / PPK READY

FLIES ON JUST
2 BATTERIES

OPTIONAL
FPV ADD-ON

WEATHER SEALED

ADJUSTABLE VIBRATION
ISOLATION INCLUDED

QUICK RELEASE
MOUNTING SYSTEM

EXTENSIVE ACCESSORY &
PAYLOAD ECOSYSTEM

FAST, ACCURATE, DETAILED LIDAR
CAPTURE POWERED BY HOVERMAP

FOLDING LANDING GEAR

Expandable - Astro features power and data expansion
ports to help you integrate just about anything

37 MINUTE FLIGHT TIME WITH NO PAYLOAD,
25 MINUTE FLIGHT WITH 3.3LBS (1.5KG) PAYLOAD

TILT INVERT TOGGLE

CUSTOMIZABLE

YAW SPEED FACTOR

POWER
ON/OFF

STATUS
SCREEN

VERTICAL SPEED FACTOR

GIMBAL TILT SPEED FACTOR

HORIZONTAL SPEED FACTOR

CUSTOMIZABLE TRIGGER

RECORD TRIGGER

FREEFLY

AIRCRAFT ROLL & PITCH

SLOW MODE

AIRCRAFT THROTTLE & YAW

RETURN TO LAUNCH (RTL)

EMERGENCY STOP &
SHUTDOWN MOTORS

ALTITUDE MODE (ALT)

POSITION MODE (MAN)

MANUAL MODE (POS)

ON BACK OF CONTROLLER

RECORD TRIGGER (R1)
GIMBAL TILT ANGLE (LEFT ROCKER)
4X CUSTOMIZABLE BUTTONS
ETHERNET NETWORK
EXTERNAL POWER INPUTS

TABLET POWER ON/OFF

INTERNAL RUNTIME 5HR | CHARGE TIME 1HR

Use our CAD and API to integrate the Pilot Pro
controller with your robotics system.

INTERNAL BATTERIES AND OPTIONAL EXTERNAL
HOT SWAP BATTERIES FOR 100% UPTIME