

ROBOTICS

FAA NEEDS
SUPPORT

PAYLOADS
TRAINING

ROV
UAV

SUAS

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DARLEY OFFERS ROBOTICS EQUIPMENT, TRAINING & SUPPORT

Darley is here to help with your departments drone program from the ground up. We understand there is a lot of work and research involved with building a new program and have set up partnerships with industry leaders to provide the latest equipment, support and training.

EQUIPMENT

Working with leading manufacturers, we have solutions to fit all needs and budgets. Equipment listed is a small sample of what we offer. If you are unsure on the different equipment available, please reach out to us to learn about the differences in the different aircrafts.

TRAINING

Get your department's drone program off to the right start with this multiple training options including ground school and flight training. Learn how to navigate the often-complicated FAA COA process and what it takes to start or finish your UAV program. Custom solutions are available either on-site or at one of the dedicated training centers.

TRAINING CLASSES COVER:

- Ground school
- Basic operations
- Advanced operations
- Emergency procedures
- Additional customer requests

SUPPORT AND SOPS

Having a network of departments using and learning these new technologies helps create the framework needed to start your own Standard Operating Procedures without the need to reinvent the wheel. We will assist with outlining your SOPs and continue to support your program beyond just equipment selection.

FAA NEEDS

Want to learn how your department can obtain a Certificate of Authorization from the FAA? Darley is pleased to recommend Skyfire Consulting to help with your department's legal services. These services include, but are not limited to:

- Obtaining Public Declaration letter
- Online COA access application
- Blanket COA preparation and filing
- Jurisdictional COA preparation and filing
- Emergency COA support
- Required FAA documents/COA compliance
- Standard operating procedures
- Emergency response service offerings



COMPACT GROUND STATION CONTROLLER



SEND DATA TO YOUR DEVICE



CUSTOM TRAINING CLASSES

MATRICE 200 SERIES

BUILT TO ENDURE. ENGINEERED TO ADAPT.



MATRICE 200 SERIES

The new DJI Matrice 200 Series is an all-weather, highly adaptable solution for the First Responder industry. These are available in three different models (Matrice 200, Matrice 210, Matrice 210 RTK) and support a variety of payloads and options. These also feature a suite of intelligent features, up to 38-minute flight time, and the option for top mounted camera.

STARTING AT \$8,999

NEW

BUILT TO ENDURE

High-performance motors paired with 17" propellers ensure stable flight in strong winds. The new dual-battery power system automatically heats batteries when flying in sub-zero temperatures, while an enclosed design ensures weather and water resistance, so you can fly in a wide range of environments.

ALWAYS READY

The M200 Series drones fold down in a snap and unfold just as quickly. Gimbal mounting plates and aircraft arms stay mounted during transportation so that you're ready to fly within minutes.



CUSTOMIZE YOUR MATRICE WITH OPTIONAL PAYLOADS

ZENMUSE XT

By combining DJI's unrivaled expertise in gimbal technology and image transmission with the industry leading thermal imaging technology of FLIR, the Zenmuse XT is the ultimate solution for rapid and reliable aerial thermal imaging.

ZENMUSE X4S

The Zenmuse X4S is a powerful camera featuring a 20 megapixel 1-inch sensor and a maximum ISO of 12,800. Combined with CineCore 2.0, the Inspire 2's powerful image processing system, it can record 4K/60 H.264 and 4K/30 H.265 videos at a 100Mbps bitrate, and oversample 5.2K video into 4K video in real-time, capturing fine image details.

ZENMUSE X5S

The Zenmuse X5S was designed to keep pace with the rigors of high-end professional aerial imaging. The new CineCore 2.0 image processing system on the Inspire 2 makes the Zenmuse X5S capable of capturing 5.2K 30fps CinemaDNG video and Apple ProRes video as well as 4K 60fps using H.264 and 4K 30fps using H.265 (both at 100Mbps).

ZENMUSE Z30

The Zenmuse Z30 is the most powerful integrated aerial zoom camera on the market with 30x optical and 6x digital zoom for a total magnification up to 180x.



ZENMUSE XT



ZENMUSE X4S



ZENMUSE X5S



ZENMUSE Z30

PHANTOM 4 PRO

VISIONARY INTELLIGENCE. ELEVATED IMAGINATION.



PHANTOM 4 PRO

An uprated camera is equipped with a 1-inch 20-megapixel sensor capable of shooting 4K/60fps video and Burst Mode stills at 14 fps. The adoption of titanium alloy and magnesium alloy construction increases the rigidity of the airframe and reduces weight, making the Phantom 4 Pro similar in weight to the Phantom 4. The Flight Autonomy system adds dual rear vision sensors and infrared sensing systems for a total of 5-direction of obstacle sensing and 4-direction of obstacle avoidance.

5-DIRECTION OBSTACLE SENSING

FlightAutonomy, DJI's system of stereo vision sensors, ultrasonic sensors, is upgraded with higher resolution stereo vision sensors placed at the rear and the front of the Phantom 4 Pro, and infrared obstacle sensors are placed on the left and right sides. This network creates a total of 5 directions of obstacle sensing and 4 directions of avoidance, giving the Phantom 4 Pro the ability to hover precisely and stably even without GPS signals.



STARTING AT \$1,499



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YUNEEC H520

RELIABLE, STABLE, AND PRECISE

YUNEEC®

The Yuneec H520 system utilizes a proven six-rotor platform that incorporates enterprise-grade cameras and mission planning software. Yuneec's camera payloads are interchangeable and hot-swap capable, offering time-saving convenience to the operator. The H520 is ideal for first responders.

FEATURES:

- Six rotors for enhanced stability
- Retractable landing gear
- Data pilot software enables users to create orthomaps, 3D scans, and create aerial flight paths

DIMENSIONS:

- 20.47" x 17.91" x 11.61"

WEIGHT:

- 3.6 lbs.

FLIGHT SPECIFICATIONS:

- Flight Time:
 - CGOET: 25 min
 - E90: 25 min
 - E50: 28 min
- Maximum Altitude: 1640 Ft
- Transmission Range: 1 Mile



NEW

STARTING AT \$3,099

E90

CGOET

INSTANT EYE LOW COST, LIGHTWEIGHT ELECTRIC SUAS

RAPIDLY DEPLOYED LONG RANGE SITUATIONAL AWARENESS



Designed to be rapidly deployed to gather local (<1200 m) short term (<35 min) situational awareness. The InstantEye is capable of flying in inclement weather including winds exceeding 30 mph, heavy rain/snow, altitudes up to 12,000 ft MSL, and temperatures between -10 to 115°F.

FEATURES:

- Deploys in seconds
- Military utility demonstrated
- Covert day/night (thermal) real time aerial ISR
- All weather, winds 30+ mph
- Compact size
- Operated by individual responder
- Data products on GCS (networked through relay) or recorded by GCS DVR

INCLUDES:

- 2 - InstantEye aircrafts
- Compact ground station controller
- Custom fit padded case
- Charging system
- Batteries
- Spare components



VIDEO ONLINE

STARTING AT \$7,800



CUSTOM FIT PADDED CASE

CUSTOMIZE YOUR INSTANTEYE WITH OPTIONAL PAYLOADS

THERMAL IMAGING

The FLIR thermal imaging upgrade gives you the ability to stream live thermal imaging to the GCS of the InstantEye. In addition to Thermal Imaging, the camera pod also includes a 4X zoomable camera. This is an ideal add-on for situational awareness, search and rescue, structural fires, wild fires, hazmat incidents, and more. Thermal is available in 320 and 640 resolutions.

3-D MAPPING

Using Pix-4d Mapping software, quickly and easily create a 3-D render of any area. This is ideal for a large scale disaster, building inspections, building management, and more.

HD VIDEO

We offer a Go-Pro attachment to pair with the three standard cameras included with the InstantEye. With the Go-Pro, you are now able to record in 1080P and also program the camera to take stills.

Darley offers a wide range of options. Contact MikeMocerino@darley.com for details.



INCLUDED COMPONENTS



3-D MAPPING SOFTWARE



HD VIDEO

P4 PS 300BASE & 300R PORT SECURITY ROV SYSTEM

Specifically configured for Military, Government, and Law Enforcement personnel to quickly and effectively perform a variety of underwater inspection tasks, the P4 PS 300BASE ROV and the P4 PS 300R (Rugged) Port Security ROV system are portable and cost-effective solutions that can be deployed in minutes and operated by one person if necessary. Underwater security sweeps of ship hulls and piers can be performed rapidly and without the cost and inconvenience of divers. The included crawler attachment allows the VideoRay to latch on to ship hulls in high current conditions for stable video inspections. The system is delivered with imaging sonar-ready hardware (sonar not included).

NEW



ML1614 COMPONENTS:

- Pro 4 ROV submersible
- Pro 4 control panel (monitor not included)
- Wireless programmable hand controller
- Standard capacity tether deployment system
- Basic tool kit with complete ballast set
- Pelican 1620 Hard Case
- Plug and play modular tether
- Sunshade
- 3 days of open enrollment training

ML1615 COMPONENTS:

- Pro 4 ROV submersible
- Pro 4 control panel (monitor not included)
- Wireless programmable hand controller
- Rugged programmable hand controller
- Standard capacity tether deployment system
- Basic tool kit with complete ballast set
- Plug and play modular tether
- Pelican 1620 Hard Case
- 3 days of open enrollment training



ML1614	P4 PS 300BASE Port Security ROV System	Call for Pricing
ML1615	P4 PS 300R Port Security ROV System	Call for Pricing

P4 PS 300XPS PORT SECURITY LE ROV SYSTEM

The P4 PS 300XPS Port Security ROV System has been specifically configured for Military, Government, and Law Enforcement operations to quickly and effectively perform a variety of advanced underwater target location and inspection tasks. With additions of longer tether lengths, high resolution BlueView 2D imaging sonar with a 45° field of view for target identification, victim location, and navigation, Smart Tether positioning system, stocked P4 Maintenance Parts and Tool Kits, a daylight viewable High Bright Monitor, integrated LYNN video enhancement, and a manipulator arm, this system is the total package with everything needed for mission success.

NEW



COMPONENTS:

- Pro 4 ROV submersible
- Pro 4 control panel with 15' high bright monitor
- Wireless programmable hand controller
- Extended capacity tether deployment system
- Plug and play modular tether
- PRO 4 ROV maintenance kit and advanced tool kit
- BlueView P900-45 high res imaging sonar
- PRO 4 manipulator arm with sonar mounts
- Smart tether non-acoustic positioning system
- Hull crawler attachment
- LYNN real time video enhancement
- Pelican 1620 Hard Case
- Pelican 0450 Tool Chest
- 5 days of open enrollment training

