

Build your own autonomy system



PLEASE NOTE: When you customize an Autonodyne product by selecting optional features, you must click the custom development and submit buttons in the "Contact Me" form below to route your choices to our sales team.

Standard features, available options

- * These optional features are part of the government baseline package.
- ** Export controlled

Base	Options	Feature	Category	Autonomy packages		
				Package delivery	ISR	HADR/SAR
■		Public domain base map	UI/UX	●	●	●
■		Waypoint (FOT) navigation	UI/UX	●	●	●
■		Hold/Loiter/Hover capability	UI/UX	●	●	●
■		Task-based mission plans	UI/UX	●	●	●
■		Manual mode (e.g. manual joystick control)	UI/UX	○	○	○
■		Geofence support (define, ingest, keep-in, keep-out, etc.)	UI/UX	●	●	●
■		Grid overlay	UI/UX	●	●	●
■		Heads Up Display (HUD) view	UI/UX	●	●	●
■		Lasso capability	UI/UX	●	●	●
■		Mapping external physical control Input	UI/UX	●	●	●
■		Metadata overlay/layer	UI/UX	●	●	●
■		Dissimilar vehicle control	UI/UX	○	●	●
■		Operator alerts	UI/UX	●	●	●
■		Sensor feed/display	UI/UX	○	●	●
■		Snapshot capability including auto-snap	UI/UX	●	●	●
■		Define commanded AGL to operate at	UI/UX	●	○	○
■		Multiple RTB options	UI/UX	●	●	●
■		Auto search for vehicles at start up	UI/UX	●	●	●
■		UAS (air vehicle) control	UI/UX	●	●	●
		UGV (ground vehicle) control	UI/UX	○	○	○
		UUV (underwater vehicle) control	UI/UX	○	○	○
		* Autonomous mode	UI/UX	●	●	●
		* Multi-vehicle control (e.g. "swarm control") up to 9 simultaneous vehicles	**UI/UX	○	●	●
		* Electronic checklist	UI/UX	○	○	○
		Depiction and honoring of UxV energy consumption (Group 1, 2 UAS, UGV)	UI/UX	●	●	●
		Depiction and honoring of UxV energy consumption (Group 3, 4, 5 UAS, UUV, USV)	UI/UX	○	○	○
		Fused Track Depiction	UI/UX	○	○	○
		Multi-agent autonomy of multi-vehicles (Group 3, 4, 5 UAS, any amount of UGV, USV, UUV)	UI/UX	○	○	○
		* Follow It Autonomy behavior	Autonomy	○	●	●
		* Follow Me Autonomy behavior	Autonomy	○	●	○
		* Impact Autonomy behavior	Autonomy	○	○	○
		* Inspect Autonomy behavior	Autonomy	○	●	●
		* Morphing Swarm Autonomy behavior	Autonomy	○	●	●
		* Observe Autonomy behavior	Autonomy	○	●	●
		* Stack Autonomy behavior	Autonomy	○	●	●
		* Surveil Autonomy behavior	Autonomy	○	●	○
		* Track Autonomy behavior	Autonomy	○	●	○



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Base Options	Feature	Category	Autonomy packages		
			Package delivery	ISR	HADR/SAR
	Marsupial Autonomy behavior	Autonomy	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
	* Go Dark mode	Autonomy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Observer mode	Autonomy	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
	Precision Landing	Autonomy	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Raster grid pattern trajectory	Autonomy	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
	Autonomous path/trajectory planning (includes honoring known threats) **	Autonomy	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
	Landing zone sanitization	Autonomy	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Drone delivery capability	Autonomy	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Automatic Payload Release	Autonomy	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Control handoff capability	Autonomy	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
	Complete Package Delivery Autonomy set	Autonomy	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Complete Intelligence, Surveillance, & Reconnaissance (ISR) Autonomy set	Autonomy	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
	Complete Humanitarian Assistance & Disaster Relief (HADR)/ Search & Rescue (SAR) Autonomy set	Autonomy	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
	Drone delivery capability (Group 1, 2 UAS) - static landing target	Autonomy	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Drone delivery capability (Group 3, 4, 5 UAS) - static landing target	Autonomy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Drone delivery capability (Group 1, 2 UAS) - dynamic/mobile landing target	Autonomy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Drone delivery capability (Group 3, 4, 5 UAS) - dynamic/moving landing target	Autonomy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Integration with 9XX MHz digital Datalinks	Datalink	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	* Integration with TTNT Datalink	Datalink	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Integration with 4G/5G LTE as Datalink	Datalink	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Integration with Iridium SATCOM as Datalink	Datalink	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Integration with Link16 Datalink	Datalink	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	* Integration with Precision Systems Wave Relay MPU 3/4/5 Datalink	Datalink	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	* Integration with Silvus Dreamcaster Datalink	Datalink	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Integration with Trellisware Ghost/Shadow Datalink	Datalink	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	* Integration with Doodle Smart Radio	Datalink	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Support for MavLink message sets	Protocol	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
	* Support for OMS/UCI message sets	Protocol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	* Support for STANAG 4586 message sets	Protocol	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
	Support for ROS message sets	Protocol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	* Support for CoT message sets	Protocol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Support for UxAS message sets	Protocol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Able to support custom/proprietary message sets	Protocol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	AES-256 supported	Protocol	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
	* ATAK compatibility	Protocol	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
	* External controller support (e.g., xBox)	Input	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	* Gesture control	Input	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	* Voice control	Input	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Gimbal control	Input	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
	Theatre-wide Common Operating Picture (COP)	Input	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Gimbal control sUAS	Input	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Gimbal control high-performance/complex gimbals	Input	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Sensor control (e.g on/off, calibrate, steer, fov adjust, etc)	Input	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	* Run on Android device	Media	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Run on Linux device	Media	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>



Build your own autonomy system

Contact me

CONTACT INFORMATION

First name

Required

Last name

Required

Email address

Required

Phone number

Optional

Format: 123-456-7890

REASON FOR INQUIRY

Products

- Autonomy software
- Control stations
- Mission computers

Services

- Licensing technology
- Services/Support
- Other

Custom development

After selecting your options, please click the submit button below to route your feature selections above to our sales staff.

COMMENTS, QUESTIONS

Reset all
option
selections

Print
form

