

Robot	Packages	Upgrades (Per Package)	Accessories	Notes	Ref
Jackal UGV				* Custom Accessory Packages are also available	https://clearpathrobotics.com/jackal-small-unmanned-ground-vehicle/
	Jetson Developer Package	NVIDIA Jetson AGX Xavier with discrete GPU		Good for VSLAM, 3D imaging, and ML applications	
		SICK TIM551 Lidar			
		FLIR Backfly Camera			
		3DM-GX3-25 IMU			
	Explorer Package	Mini-ITX computer	SICK TIM551 Lidar	Basic autonomous operation, GPS waypoint navigation w/ laser-based collision avoidance, etc.	
		SMART-6 RTK	SwiftNav Duro GPS		
		HDL-32e 3D Laser Scanner	FLIR Backfly Camera		
			3DM-GX3-25 IMU		
			IP65 FLIR Camera Enclosure		
	Vision Package	3DM-GX3-25 IMU	Two FLIR Backfly Cameras (Stereo Vision)	Sensor Mast is customizable, TODO: ask if the GPU is the same as the previous packages	
		Sensor Mast	NVIDIA GTX GPU		
			High Performance Computer		
	Navigator Package	Onboard Computer Upgrade	SMART-7 RTK	For outdoor navigation, multi-robot systems, and remote teleoperation	
		LMS111 Laser Range Finder	Long range broadband communication transceiver		
		FLIR Blackfly Camera	Long range wireless network station with RTK (real time kinematic) upgrade		
		3DM-GX3-25 IMU			
Dingo-D (Differential Drive)				* Custom Accessory Packages are also available	https://clearpathrobotics.com/dingo-indoor-mobile-robot/
	Vision & Mapping Package		Velodyne VLP-16 Lidar	TODO: Ask what the recommendation is/possibility of adding a Kinova arm	
			Realsense Camera (TODO: ask what model)		
			Microstrain 3DM-GX5-10 IMU		
	Jetson ML Package		Dual Blackfly S Cameras		
			NVIDIA Jetson Xavier NX Processor		
			Microstrain 3DM-GX5-10 IMU		
Dingo-O (Omni-directional Wheels)	Vision & Mapping Package		Velodyne VLP-16 Lidar	TODO: Ask what the recommendation is/possibility of adding a Kinova arm	https://clearpathrobotics.com/dingo-indoor-mobile-robot/
			Realsense Camera (TODO: ask what model)		
			Microstrain 3DM-GX5-10 IMU		

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	Jetson ML Package		Dual Blackfly S Cameras		
			NVIDIA Jetson Xavier NX Processor		
			Microstrain 3DM-GX5-10 IMU		
Spot					https://clearpathrobotics.com/spot-robot/