

Exyn Nexys

A 3D Mapping Ecosystem & Modular Autonomy Payload



MODULAR FOR ANY ENVIRONMENT

Using Drone Link, Nexys can be mounted onto any integrated robotic platform to rapidly map with survey-grade accuracy



Exploration mission mode can autonomously map an entire

Modular Mapping Drives Unparalleled Efficiency

- Flexible deployment options including handheld, backpack, vehicle, or robotic platform
- 3D spatial mapping capable of capturing up to 1.9 million scan points per second
- Survey-grade accuracy up to ±2cm (dependant on the environment)
- ✓ View colorized point clouds in real-time via ruggedized tablet
- Smooth, downsample, and georeference point clouds on-site via ruggedized tablet
- ✓ Built to IP67 standards for hazardous environments







3D Mapping Ecosystem with Modular Robotic Autonomy

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CONTROL UNIT	
CPU	Intel Core i7
RAM	64GB DDR4
Storage	512GB internal SSD
Interfaces	USB 3.0, WiFi
POWER	
DC Input	12-48 V
Power	75 W
BATTERY*	
Batteries Included	2
Nominal Voltage	14.8V
Battery Standard	V-Mount
Battery Capacity (each)	98 Wh
Battery Chemistry Type	Li-lon
Typical Operating Time	~2 hours
TABLET	
Model	Dell Latitude 7230 12', IP-65
Interface	Capacitive Touchscreen
Operating System	Ubuntu 22.04
Software Interface	ExynView™, mission control & live data streams
Communication	2.4GHz & 5.8GHz WiFi WPA2 encryption
Weight	1.3kg
CASE	
External Size (H x W x L)	28 x 41 x 53.4 cm
Shipping Weight	20.5 kg
ACCESSORIES*	
Hand-carry Mount	✓
Industrial Vehicle Mount	✓
Drone Mount	Purchased Separately
BackPak Case + Mount	Purchased Separately
Protective Cage	Purchased Separately
GPS-receiver	Purchased Separately



