GROUNDHOG
Autonomous Reality Capture Robot

for Construction Progress Monitoring & Facility Management

Pro

Remove the pain and time it takes to "capture" reality. No more bulky tripods or hard hat cameras and spending hours traversing a jobsite.

Applications

UNMANNED 360° DATA CAPTURE
Plan your route's waypoints and hit "go" to let the robot capture all the 360° images & videos you need.

EASY IMPORT TO APPLICATIONS
Upload the pictures and videos to your preferred reality capture program to create interactive maps.

INCREASED EFFICIENCY
Nearly eliminate the time it takes to regularly document a jobsite and provide more consistent captures.

ENSURE PRIVACY
Run the robot after hours and on weekends when work crews are not working to ensure worker privacy.

SAFETY & LIABILITY
Track changes and look for discrepancies between blueprints and current construction (As-Builts).

Basic

Key Features

- Durable design for tough environments like construction sites and industrial facilities.
- Remapping for dynamically changing environments.
- Autonomous charging or easy swap batteries.
- Compact size navigates paths 1m and larger.

Basic

Groundhog Models

Basic

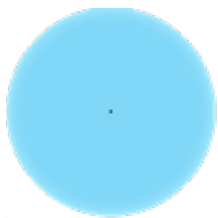Stereo navigation camera best for multi-room spaces

Field of view is 120° wide, 2.5m deep

Pro

LiDAR navigation camera best for large, open spaces

Field of view is 360° wide, 20m deep

Specifications

Hardware		
	Basic	**Pro**
Dimensions (L x W x H)	14" x 13" x 60"	16" x 14" x 60"
Weight	20 lbs	27 lbs
Ground Clearance	2.25"	2.25"
Chassis	Anodized Aluminum Body	
Wheels	Rubber Wheels	
Average Speed	1.3 MPH	
Control Method	Autonomous or Direct Drive	
Battery Type	External *(Autonomous Charging Available)*	Internal with Autonomous Charging
Runtime	2-4 hours	4 hours
360° Camera	Ricoh Theta Z1 Camera Included	
Computer	NVIDIA Jetson AGX Orin	
Navigation Camera	Stereo	LiDAR & Dual Stereo
Case	Optional	Included
Functionality		
# of Routes/Floors	1	1
# of Waypoints	Unlimited	Unlimited
Dynamic Remapping	Yes	Yes
Obstacle Avoidance	Included	Included
Travel Direction	Forward	Forward, Reverse
Field of View	120° wide, 2.5m deep	360° wide, 20m deep
Integrations		
Drone Deploy in Development Manual import to other applications including OpenSpace and Matterport		

SUPERDROID ROBOTS

Due to a policy of continuous innovation, SuperDroid Robots reserves the right to change specifications and appearance without notice.

919.557.9162   SDR@SDRobots.com   224 Technology Park Lane, Fuquay Varina, NC 27526   **VERSION 032824**