

MICRO TRAXX

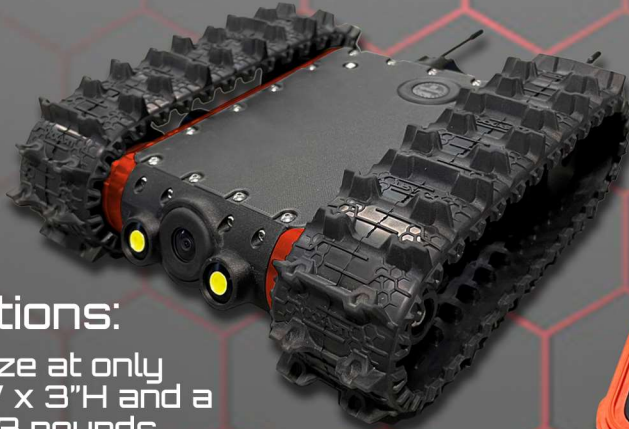
Remote Inspection Robot

20 Years in business



Applications:

- Residential Inspection
- Commercial Inspection
- Remote filming
- Culvert/Pipe Inspection
- Under vehicle inspection
- Law Enforcement



Specifications:

- Micro in size at only 8"L x 8"W x 3"H and a weight of 3 pounds.
- Full HD 1080p color video and audio transmission including on-board video recording via micro SD card.
- Fully adjustable high intensity LED flood light
- 45 minute run time. Quick-swap battery packs.
- Ruggedized Pelican Operator Control Unit with 10" LCD monitor.
- Removeable stabilizer tails for climbing.



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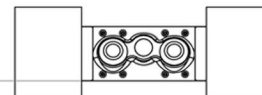
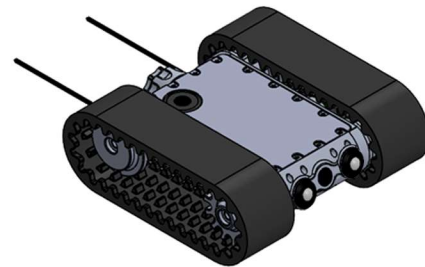
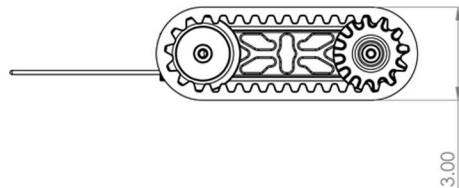
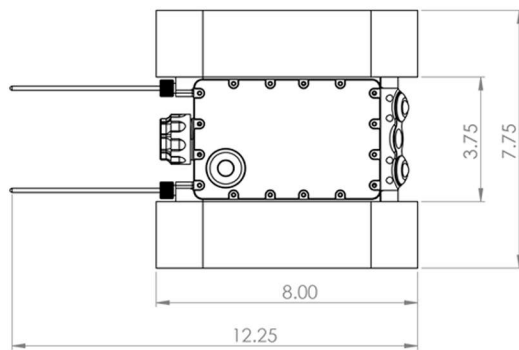
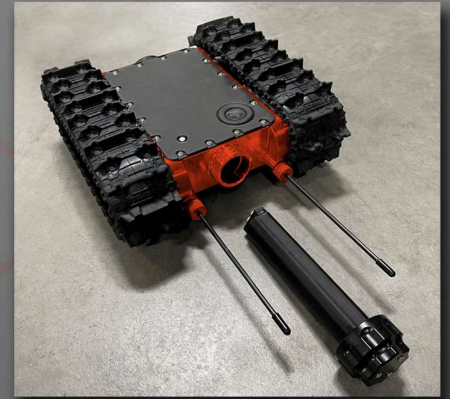
The Machine Lab, Inc.
www.themachinelab.com



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Remote Inspection Robot

20 Years in business



DRAWN BY SHANE SUPPES

COMMENTS:

TITLE:

MicroTraxx

SIZE DWG. NO.

REV

SCALE: 1:3 12/20/2022 SHEET 1 OF 1

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DIMENSIONS ARE IN INCHES
TOLERANCES:
ANGULAR: MACH: .05
TWO PLACE DECIMAL ± .01
THREE PLACE DECIMAL ± .003

MATERIAL



MICROTRAXX

Remote Inspection Robot

Specification	Robot	Controller/Case
Size	8" L x 8" W x 3" H	11.5" L x 13.6" W x 7.0"H
Weight	3 lb.	9.6 lb.
Features	<ul style="list-style-type: none"> - Waterproof - Ruggedized THROWABLE design - Side access Micro SD card slot - Removable stabilizer tails - 1080p HD video with audio - Can drive inverted - Can climb obstacles as tall as 4 inches. (<u>with tails</u>) 	<ul style="list-style-type: none"> - Handheld wireless controller packaged inside Pelican case - Simple layout and labeled controls - 10" color LCD HD monitor with wide viewing angle and high brightness - 2.4GHz spread spectrum wireless control - 5.8GHz wireless audio and video with diversity receiver
Drive	<ul style="list-style-type: none"> - Track differential drive, zero point turning - Fully proportional speed control with max speed of 5.4mph or 8 ft/sec 	- 2 axis joystick
Lights	<ul style="list-style-type: none"> - Front flood light - Full proportional dimming control 	- Independent rotating dial for light intensity control
Main Camera	<ul style="list-style-type: none"> - HD color camera (1080p, 30fps) - Wide angle lens 	
Recording	<ul style="list-style-type: none"> - Onboard DVR capable of recording digital video to micro-SD card in 1080p, 30fps resolution. - Video is recorded onboard robot which avoids any picture distortion from occasional signal break up during <u>wireless</u> operation. 	<ul style="list-style-type: none"> - Push button switch for video recording - 32 GB SD card allows for approximately 4 hours of video
Battery	<ul style="list-style-type: none"> - Robot – 11.1V, 1500mAh, Li-Ion rechargeable removeable battery. - Quick-swappable, no tools needed. 	- Controller/Video – 12.8V, 5.0 Ah, Li-Ion rechargeable battery.
Run Time	<ul style="list-style-type: none"> - Approximately 30-45 min of continuous driving and up to 1 hour standby - Comes with 2 batteries standard 	<ul style="list-style-type: none"> - Approximately 2 hours continuous operation - On-board LED fuel gage and on-screen warning for low battery.
Charging	<ul style="list-style-type: none"> - Charger built into case. - 110-240 Volt AC input - 1-hour charge time - Charge status LED 	<ul style="list-style-type: none"> - Integrated internal charger for handheld controller and LCD - 110-240 Volt AC input - 2-hour charge time - Charge status LED
Range	<ul style="list-style-type: none"> - Up to 1000 ft. with direct line of sight - Deep penetration of walls, floors, ceilings, and other objects is highly dependent on the materials of construction and distance between operator and robot. 	- Diversity receiver with two antennas automatically chooses the strongest signal. This ensures a near flicker <u>free</u> video feed.
Transport	- Entire robot system packs into a heavy-duty Pelican brand case.	
Tether	- Optional 100 ft. paracord tether line and spool for retrieving robot in case of dead battery or getting stuck.	
Optional Extras (not included)	<ul style="list-style-type: none"> - Spare batteries, spare tracks, spare tails. - Custom mounts for specialty inspection tools such as sondes, moisture meters, temperature sensors, etc. 	

