



**Best Equipment Company**  
**Budgetary Proposal**  
**ENVIROSIGHT ROVER X**  
**SEWER CAMERA SYSTEM**  
**WITH OPTIONS**



Prepared On

Mar 20, 2020

Prepared For

Chris Spolnik  
Superintendent of Operations  
  
Town of Munster

Prepared By

Glenn Linhart  
  
glennlinhart@bestequipmentco.com

Item

Range

**Envirosight RoverX Sewer Camera System**

**\$79,000.00 - \$80,000.00**

- RoverX Main Line Inspection System
- 1x Q500 Controller with Vision Recorder Software
- 1x 24x30x40mm Cable Peel
- 1000 feet of Cable
- Wireless Remote Control
- Rear Mounting Frame
- 2x 110 Quick Change Wheels
- 1 Set of Rubber wheels for 110 inch Diameter Pipe
- 2x 90 Pan/Tilt and Zoom Camera
- Presentation Kit
- 1x 1/2" 172mm 1/2" 172mm
- 1x Aggressive Quick Change Wheels
- 1x Extra Large Rubber Quick Change Tires
- 2x 1/2" 172mm 1/2" 172mm

**Envirosight Buy Back Program**

**-\$10,000.00**

**Estimate Range**

**\$69,000.00- \$70,000.00**

Notes

Munster Employees to remove existing Camera System for Buy Back  
Best Equipment will Install New Envirosight Equipment in Out Post Enclosure



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Mar 23, 2020

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Item

Range

ENVIROSIGHT ROVER X BASIC SEWER CAMERA SYSTEM

~~\$69,000.00~~ - \$70,000.00

NOTE: \$70,000 is NET PRICE AFTER \$10,000 TRADE-IN

ADDITIONAL OPTIONAL CAMERA EQUIPMENT

ENVIROSIGHT PORTABLE ENCLOSURE

\$11,000.00

NOT NEEDED

RX CAMERA ELEVATOR KIT

\$13,500.00

RX AUXILIARY LIGHT with REAR CAMERA for ELEVATOR

\$3,950.00

4 - SMALL QUICK CHANGE AGGRESSIVE WHEELS

\$1,800.00

4 - LARGE QUICK CHANGE AGGRESSIVE WHEELS

\$2,400.00

P.D.I., DELIVERY, TRAINING of EQUIPMENT ONLY

\$750.00

FREIGHT NOT INCLUDED FOR OUTPOST ENCLOSURE

TOTAL = \$ 92,400

Notes

DELIVERY 4 - 6 WEEKS after RECEIPT of ORDER



## Terms & Conditions

**Notes:** This proposal may be withdrawn if not accepted within 30 days. All equipment remains the property of the seller until the sum stated herein is paid in full. We propose to furnish labor and material, complete in accordance with the above specifications, and subject to the conditions found in this agreement, for the sum stated herein in accordance with the terms as specified.

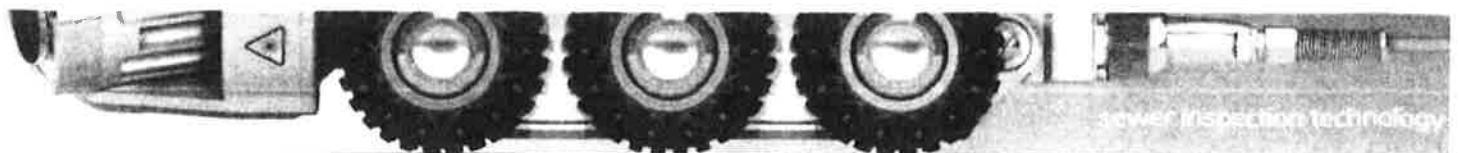
**Expiration Period:** 60 Days

**Payment Terms:** COD

**FOB:** Munster, IN.

**Currency:** US

**Envirosight**





## Warranty

Envirosight LLC (Envirosight) guarantees this product to be free from defects in materials and manufacturing. EnviroSight's obligation under this Warranty shall be limited to the repair or exchange of any part or parts thereof which may prove to be defective under normal use and service within one (1) years from the date of original purchase and which our examination, at our facility, shall disclose, to our satisfaction, to be defective. This Warranty is expressly in lieu of all other warranties, express or implied, including the warranties of merchantability and fitness for use and of all other obligations or liabilities on our parts, and we neither assume nor authorize any other person to assume for us, any other liability in connection with the sale of EnviroSight's equipment. This Warranty shall not apply to any equipment that has been subject to accident, negligence, alteration, abuse, unauthorized repair, improper storage or other misuse. This Warranty applies only to the original purchaser and cannot be assigned or transferred to any third party without express written consent of EnviroSight. The warranty does not apply to expendable items or normal wear and tear or failure due to overheating or radiation exposure. Additionally, EnviroSight assumes no responsibility, either expressed or implied, regarding the improper usage of this equipment or interpretation of test data derived from this product. EnviroSight's responsibility and obligations, in all cases, are limited strictly to the repair and/or replacement cost as outlined above. This warranty shall be governed by the laws of the State of New Jersey. Note: In the event that the equipment cannot be returned to EnviroSight, for whatever reason, the customer agrees to pay for all travel and living expenses incurred to have an EnviroSight LLC representative evaluate, assess or affect a field warranty repair.

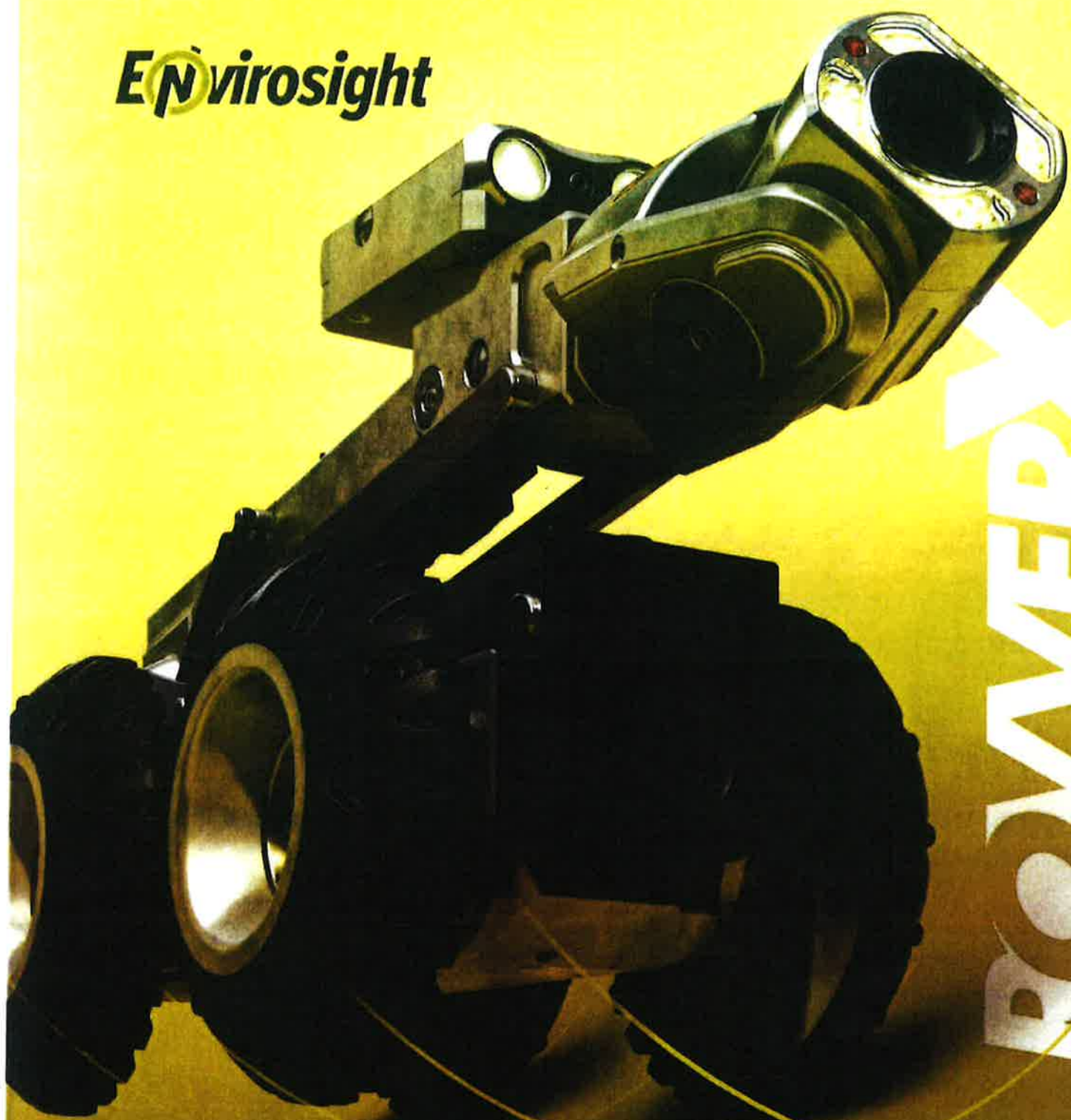
EnviroSight is not responsible for shipping costs. After receiving and evaluating the product, EnviroSight's product manager will contact you to discuss the warranty claim.

**Envirosight**





**Envirosight**

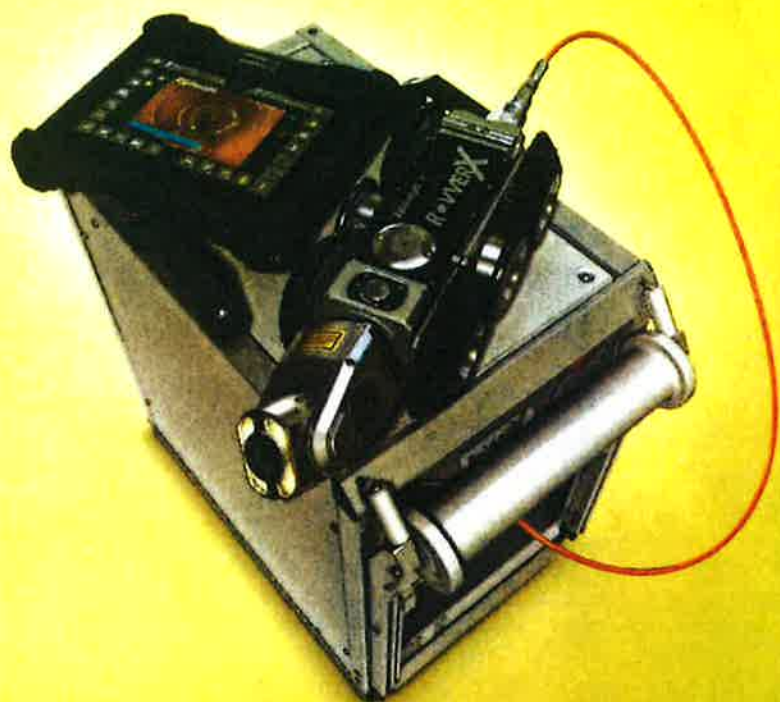


**POWERXX**

## **The Power of One**

Safe, Easy and Advanced Sewer Inspection Crawler





# ROVER X

## The Power of One

ROVER X is the one system that lets you do everything—control inspections, view and record digital video, log observations, generate reports, and link directly to asset-management software. All this capability is packed into a simple three-piece layout, with no CCU or other components to clutter your truck.

ROVER X is built on a powerful digital backbone. Not only can you add side-scanning, laser profiling and lateral launch, you can view status from onboard sensors, automate tasks with macros, and measure defects on-screen. And future capabilities are limitless—ROVER X's firmware updates automatically to the latest features and accessory support.

Technology aside, ROVER X is built for the rigors of sewer work. Twelve wheel options—plus camera lift, carriage and lamp accessories—mean ROVER X transforms in seconds to inspect any line. Its steerable six-wheel drive navigates past obstacles, and overlapping wheels climb offsets better than tracks.



# ROWERX



ROWERX software now comes standard with every Roversight system. It's the only software that can be used to control, monitor, and manage your entire fleet of Roversight systems. It's the only software that can be used to control, monitor, and manage your entire fleet of Roversight systems.

**Responsive Control**  
Control your Roversight system from anywhere, anytime. The Roversight system is designed to be used from a laptop, tablet, or smartphone. The Roversight system is designed to be used from a laptop, tablet, or smartphone.



## Reporting

Generate reports on your Roversight system. The Roversight system is designed to be used from a laptop, tablet, or smartphone.

## Reporting

Generate reports on your Roversight system. The Roversight system is designed to be used from a laptop, tablet, or smartphone.



# EpiVirosight



**Responsive Control**  
Control your Roversight system from anywhere, anytime. The Roversight system is designed to be used from a laptop, tablet, or smartphone. The Roversight system is designed to be used from a laptop, tablet, or smartphone.

## Utility

Utility systems are designed to be used from a laptop, tablet, or smartphone. The Roversight system is designed to be used from a laptop, tablet, or smartphone.

## Adaptation

Adaptation systems are designed to be used from a laptop, tablet, or smartphone. The Roversight system is designed to be used from a laptop, tablet, or smartphone.

## Modifiability

Modifiability systems are designed to be used from a laptop, tablet, or smartphone. The Roversight system is designed to be used from a laptop, tablet, or smartphone.

## Range

Range systems are designed to be used from a laptop, tablet, or smartphone. The Roversight system is designed to be used from a laptop, tablet, or smartphone.

## Measurement

Measurement systems are designed to be used from a laptop, tablet, or smartphone. The Roversight system is designed to be used from a laptop, tablet, or smartphone.

## Field Readiness

Field Readiness systems are designed to be used from a laptop, tablet, or smartphone. The Roversight system is designed to be used from a laptop, tablet, or smartphone.

## Complete Capability

Complete Capability systems are designed to be used from a laptop, tablet, or smartphone. The Roversight system is designed to be used from a laptop, tablet, or smartphone.

## Power to Remove

Power to Remove systems are designed to be used from a laptop, tablet, or smartphone. The Roversight system is designed to be used from a laptop, tablet, or smartphone.

## Many Ways to Connect

Many Ways to Connect systems are designed to be used from a laptop, tablet, or smartphone. The Roversight system is designed to be used from a laptop, tablet, or smartphone.





## Onboard Intelligence

ROVVER X uses CAN-bus, the same technology found in modern automobiles. This gives it capabilities not available anywhere else:

**Automatic Updates:** When connected to the Internet, the pendant updates its firmware automatically, ensuring the latest features.

**Concurrent Control:** Digital communications let you control any number of camera, crawler and accessory functions at once.



**Agility & Uptime:** With only six conductors, lightweight ROVVER X cable is easy to pull long distances, and also easy to reterminate. Kevlar gives it a 1000-lb. break strength, and a tough jacket maximizes abrasion resistance.

**Future-Readiness:** ROVVER X evolves with technology, which means its capabilities can grow with your needs.

**Information:** Access system status, from real-time sensor data to lifetime service and operating history.

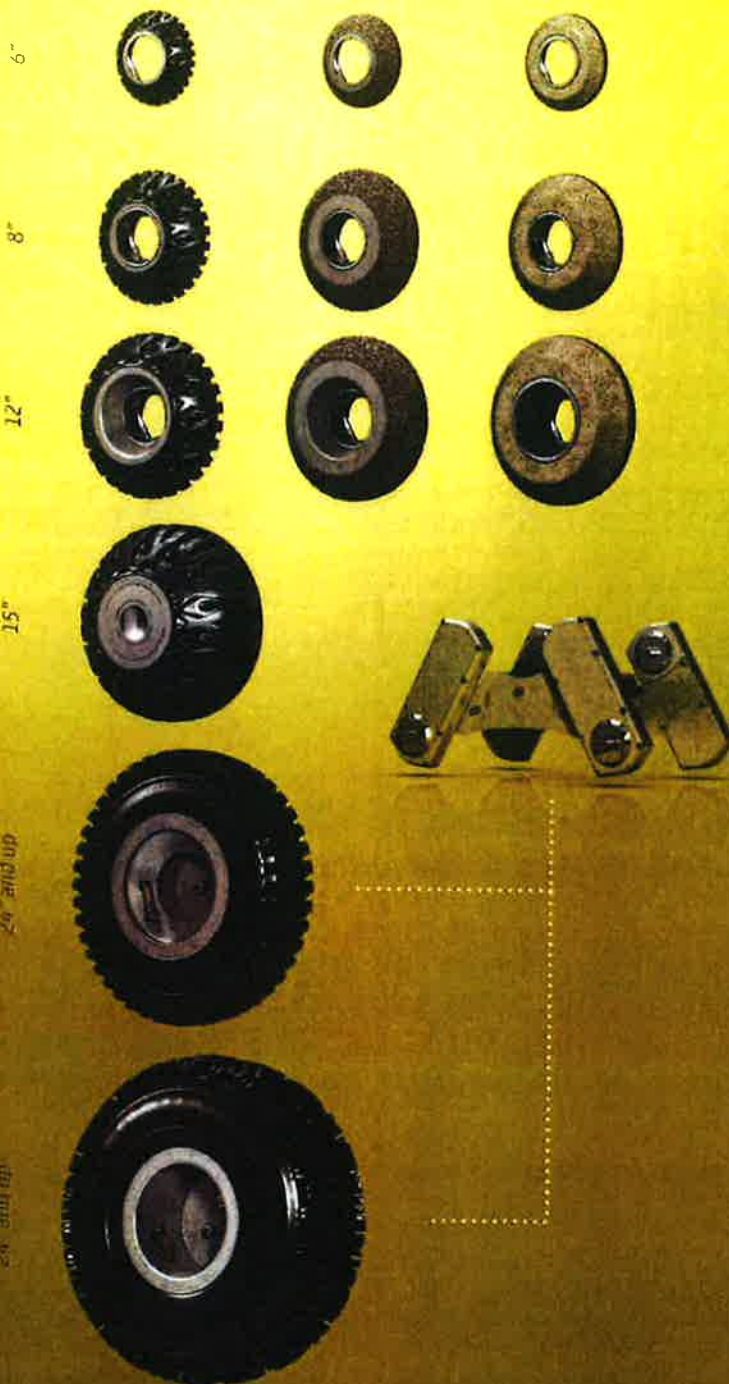
**Self-Diagnostics:** Connect to a PC with ROVVER X Studio, and our technicians can log in to read error codes and run diagnostics.





## Quick-Change Wheels

Swapping in seconds with no tools, ROVVER X quick-change wheels address any combination of pipeline diameter, material and condition.





ratings	CE, NRTL
	120-240 V ac, 50 Hz
working frequency	operates 4-90 GHz

display	color tri-LED
resolution	1280 × 800 pixels
zoom ratio	120:10 (optical 12:1 digital)
pressure rating	1 bar
features	auto shutter; auto/manual focus
illumination	dimmiabie 40-LED array
articulation	±145 deg tilt; infinite pan
measurement	twin laser diodes
sensing	temperature, pressure, pan/tilt
size	6.6" × 3.1" × 2.8" (168 × 81 × 72 mm)
weight	3.3 lb (1.5 kg)
materials	aluminum, stainless steel

#### crawler

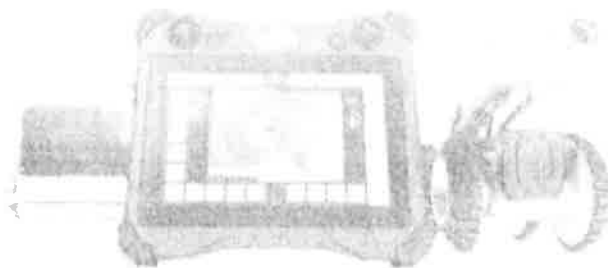
wheels	5
turn radius	down to 0.0"
camera	color rear-view with tri-LED lamp
sensors	pitch, roll, temperature, pressure
pressure rating	1 bar
size	12.2" × 4.4" × 3.2" (310 × 111 × 90 mm)
weight	13.2 lb (6 kg)
materials	aluminum, stainless steel
sonde transmitter	33 kHz / 512 Hz

#### control pendant (VC500)

controls	joysticks, touchscreen, power, stop
touchscreen	10.1" color TFT, 1280 × 800 pixels, 1280 cd/m <sup>2</sup> , 150-deg view angle
video capture	MPEG-4 AVC (H.264)
image capture	JPEG or PNG
internal storage	32 GB
connectivity	LAN (RJ45), USB, Wi-Fi, HDMI, BNC
size	11" × 10.5" × 2.8" (280 × 267 × 71 mm)
weight	4 lb (1.8 kg)
housing	plastic (ABS, PC), IP55-rated
operating temp	32 to 140°F
storage temp	-22 to 158°F

#### aux. lamp (optional)

lamps	four (4) tri-LED lamps
dimensions	4.6" × 5.2" × 5.2" (117 × 132 × 132 mm)
materials	aluminum, stainless steel



#### cable reel (RAX300)

cable length	1000' (303 m)
cable diameter	1/4" (5.5 mm)
cable weight	3.03 lb/ft
cable strength	1000 lb
cable conductors	6
controls (local)	power, emergency stop
controls (via pendant)	auto/manual, speed, forward/reverse, pull strength
sensors	tension, tilt
size	24.2" × 12.4" × 19.3" (620 × 315 × 490 mm)
weight	68.3 lb (31 kg)
connections	pendant, service, video in/out

#### camera lift (optional)

lift range	3.1-10.2" (79-260 mm)
materials	aluminum, stainless steel

#### carriage (optional)

wheelbase (width)	14.5"/12.2" (368/310 mm)
weight	34.2 lb (15.5 kg)
materials	aluminum, stainless steel

#### aux. lamp/rear camera (optional)

forward illumination	twin tri-LED lamps
camera	color rear-view with tri-LED lamp
sonde transmitter	33 kHz / 512 Hz
materials	aluminum, stainless steel

- RX130 crawler body
- RCX90 camera head
- RAX300 reel with 1000' cable
- VC500 control pendant
- WinCan VX software (basic)
- single-channel digital wireless remote control
- small rubber wheels (6)
- medium rubber wheels (4)
- medium grease wheels (4)
- climber wheels (2)
- large rubber wheels (4)
- crawler body transport case
- camera head transport case
- tools (wrenches, pressure kit)

- laser profiler
- Digisewer side-scan camera
- lateral launch crawler/reel
- remote camera lift
- large-pipe carriage
- large- and small-dia crawlers
- aux. lamp/rear-view camera
- desktop mount for pendant
- USB media for pendant
- wheel sets (see chart on flap)
- cable management accessories
- lowering devices
- WinCan VX software (advanced)
- other accessories





[www.envirosight.com](http://www.envirosight.com)

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extensive network of  
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