QUOTE

To: JJ King
City of Foley
120 E Orchid Street
Foley, AL 36535
United States

(251) 943-8897
Jking@cityoffoley.org

Sales Contact: John Schwartz
251-533-5786
john@secequip.com

QUOTE STATUS	SHIPPING TERMS	DELIVERY IN DAYS	PAYMENT TERMS
Sourcewell (NJPA)	Customer Location	30 - 60 Days	Net Delivery

QTY	DESCRIPTION	UNIT PRICE	TOTAL PRICE
1	Rovver X Basic Mainline Inspection System with Integrated Lift and HD video		
1	Aux lights with backup camera		
4	Medium Aggressive Wheel QC		
4	XL Rubber Wheel QC		
4	XL Pnuematic Wheel		
1	Carriage		
1	Manhole Protection Ring		
	Freight		
	SubTotal		$141,059.80

Free lifetime Onsight training
Free lifetime software updates

QTY	DESCRIPTION	UNIT PRICE	TOTAL PRICE
1	Outpost	$16,655.00	$16,655.00

This quote does not include any federal, state, or local taxes.
* In stock equipment are subject to prior sale. *

SUBTOTAL	$157,714.80
TOTAL	$157,714.80

This Quote is valid for 30 Days.

Please contact me if I can be of further assistance.

BIRMINGHAM OFFICE

2800 Powell Avenue
Birmingham, AL 35233
Ph: (205) 324-3104
Fax: (205) 324-2679

MOBILE OFFICE

2025 West I-65 Service Road North
Mobile, AL 36618
Ph: (251) 631-3766
Fax: (251) 631-3768

SHELBYVILLE OFFICE

3196 Highway 231 North
Shelbyville, TN 37160
Ph: (615) 696-7066
Fax: (615) 413-5323

STONECREST OFFICE

2601 South Stone Mountain Lithonia Road
Stonecrest, Georgia 30058
Ph: (706) 685-6900
Fax: (706) 609-3491

Envirosight

POWER**X**

The Power of One

Safe, Easy and Advanced Sewer Inspection Crawler

The Power of One

ROVVER 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.

ROVVER 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—ROVVER X's firmware updates automatically to the latest features and accessory support.

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

ROVVER X

Envirosight

Responsive Controls

Control multiple camera and crawler functions at once. • View live and recorded video directly on controller. • Use macros to automate inspection tasks like joint scanning. • Access specialized functions using intuitive touchscreen interface. • Measure features and defects.

WinCan VX

WinCan VX software now comes standard with every ROVVER X system. WinCan VX lets you database your inspections, deliver detailed reports, share projects via the cloud, map your data, and achieve PACP compliance.

And upgrading your license gives you access to: technology modules (laser, Digisewer, 3D, lateral launch) • enhanced reporting • network installation and enterprise databases (Oracle, SQL) • links to municipal apps (ArcGIS, Hansen, Maximo, CityWorks, GBA, Cartegraph)

Recording

Store digital video and images, and export them via USB media, network port or Wi-Fi. • Review footage directly onscreen.

Reporting

Log observations on touchscreen. • Use standard or custom defect catalogs. • Generate simple reports, or use WinCan for full reporting. • Overlay text on video without external hardware. • View system status and operating history.

observation entry

inspection overview

overlay setup

WinCan Web upload

report generation

measurement tools

Remote Control

Supplied standard, this single-channel wireless remote lets you control camera, crawler, lift and reel.

Visibility

Capture superior video resolution. • Illuminate distant targets with 50% brighter LED light. • Boost illumination in large pipelines with auxiliary lamp. • See above flow with high-mount rear-view camera, plus additional rear-view camera on auxiliary lamp.
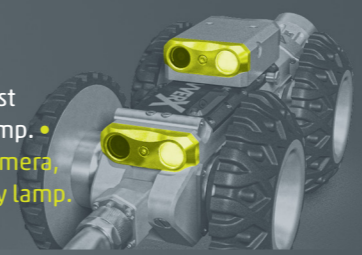
Adaptability

Remotely adjust camera height over 7" range with lift accessory. • Handle pipe of any size, material and condition with 12 wheel options. • Extend height and wheelbase with carriage accessory for pipelines up to 72" diameter.
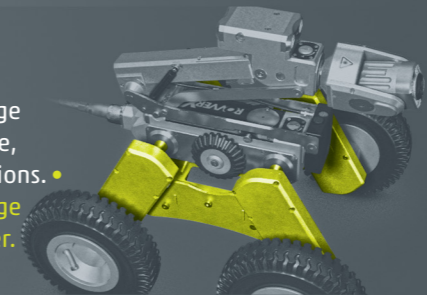
Maneuverability

Control any number of camera and crawler functions at once. • Pivot in place with zero-degree turning. • Use macros to automate tasks (like joint scanning). • Avoid high-centering on offsets and debris with overlapping wheels.
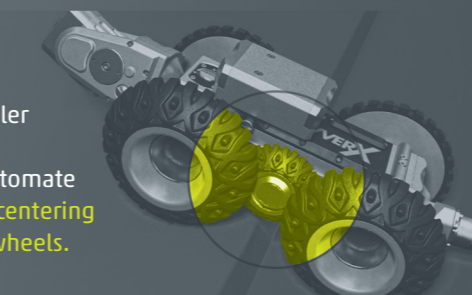
Range

Crawl up to 1000' with standard reel. • Overcome obstacles with unmatched maneuverability and power. • Prevent tangles and maximize range with cable tension control. • Control reel direction, force, speed and mode directly from pendant.
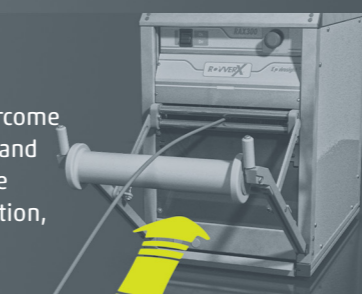
Measurement

Track pipe grade with inclinometer. • Monitor temperature/pressure with onboard sensors. • Locate crawler using built-in sonde. • Easily add laser profiling and side-scanning. • Size defects with twin lasers. • Avoid flips with warnings from roll sensor.
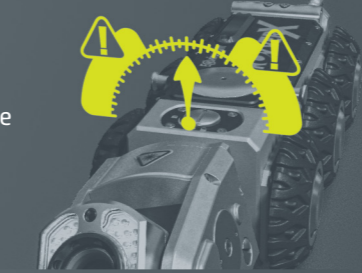
Field-Readiness

Inspect from truck, pickup or ATV using simple 3-component system. • Run off generator or inverter. • Inspect pipelines 6–72" diameter with single, reconfigurable crawler. • Store 1000' of strong, lightweight cable on compact, automated reel. • Transport system in compact, weatherproof enclosure.
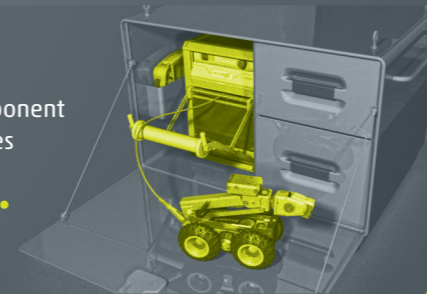
Complete Capability

With many wheel options—plus a detachable lift, carriage and auxiliary lamp—ROVVER X is the only single system that lets you inspect lines 4–96" diameter. With quick-change wheels, you'll be ready in seconds to handle any combination of pipe size, material and condition. (See wheel chart on reverse panel.)
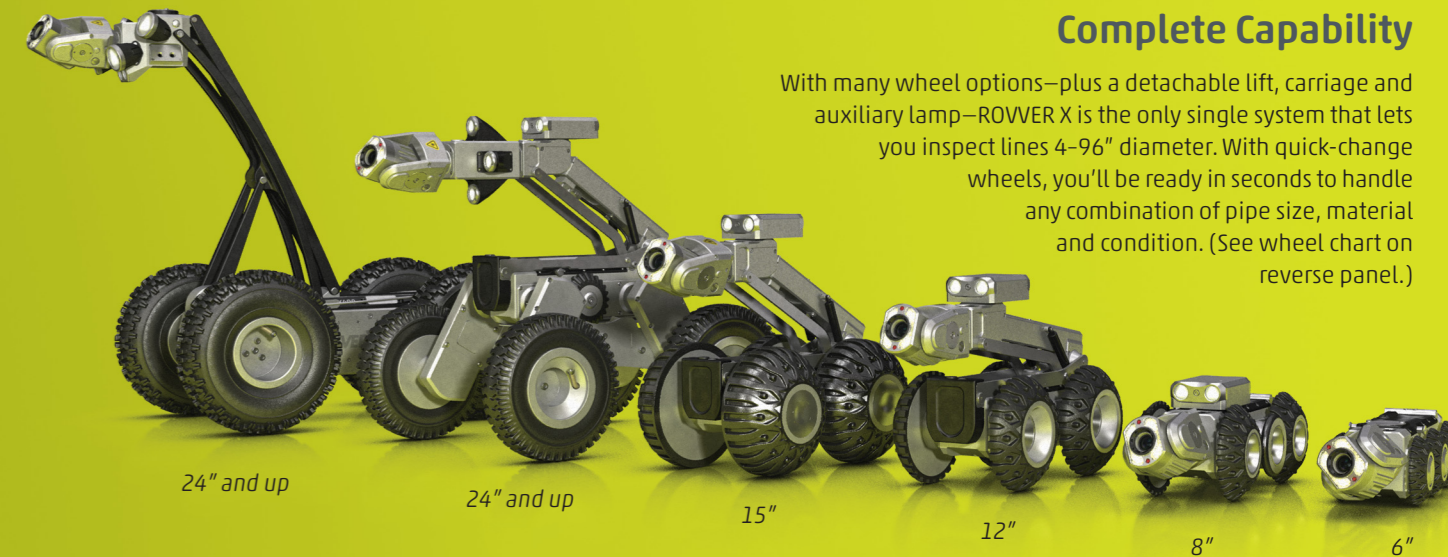
*24" and up*   *24" and up*   *15"*   *12"*   *8"*   *6"*

(down to 4" with available RX 95 crawler body)

Power to Maneuver

ROVVER was the first crawler with steerable 6-wheel drive, giving operators the agility to navigate past obstacles that stop other crawlers.

ROVVER X adds to that legacy with CAN-bus controls, which allow you to perform multiple functions at once. Now you can steer while panning the camera and adjusting camera lift height. Proportional joysticks give you fine control over speed and direction, and also let you pivot in place.
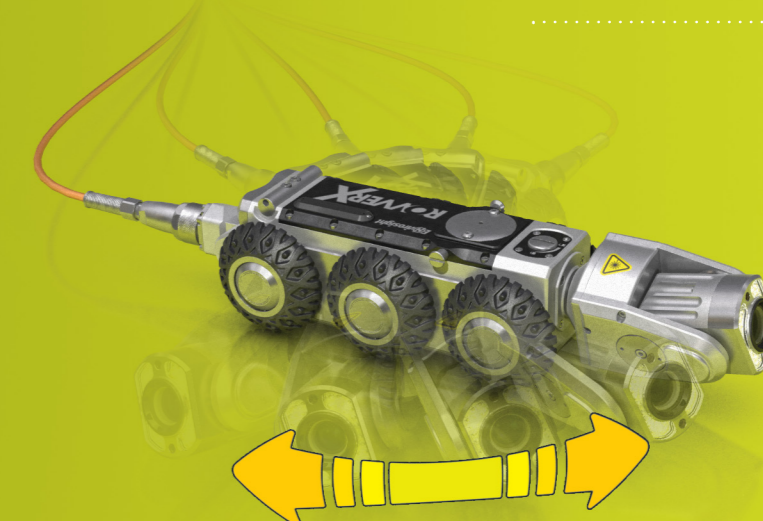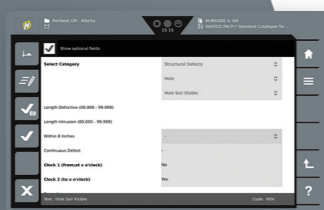
Many Ways to Inspect

Digisewer. Generate side-scans that capture every detail from pipe wall. With Digisewer, you can inspect three times faster than with CCTV—at a cost and learning curve anyone can manage. With the Digisewer laser ring, you can also measure pipe ovality.

Laser. Onboard lasers can be used to measure defects and ovality. With an optional laser profiling accessory attached, WinCan's laser module can track cross-section along the pipe to determine ovality and create a geometric model.

Lateral Launch. The ROVVER X SAT lateral launch add-on lets you inspect laterals from a mainline, ideal for finding gas line cross-bores and illicit flows. It integrates with any existing ROVVER X system, reducing cost and equipment clutter.

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.

power

video

CAN-bus

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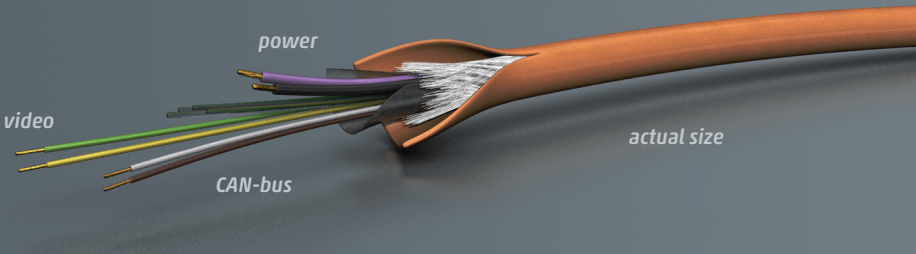
Agility & Uptime: With only six conductors, lightweight ROVVER X cable is easy to pull long distances, and also easy to reterminate. Kevlar gives it a 1000-lb. break strength, and a tough jacket maximizes abrasion resistance.

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.
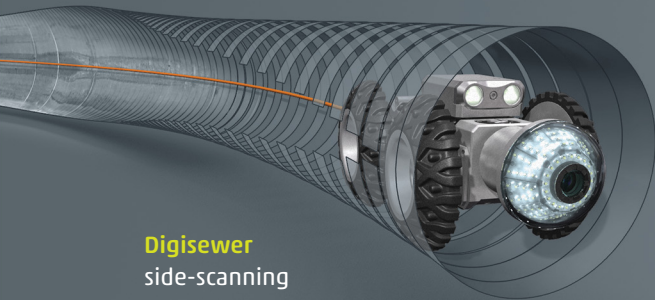
Digisewer
side-scanning

SAT
lateral launch

Quick-Change Wheels

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

6"

8"

12"

15"

24" and up

24" and up

system

ratings . . . . CE, NRTL
power . . . . 120-240 Vac, 60 Hz
viewing capability. . . . . pipelines 4–96″ dia.

camera (RCX90)

imager . . . . color ¼″ CCD
resolution . . . . 720 × 576 pixels
zoom lens . . . . 120× (10× optical, 12× digital)
pressure rating . . . . 1 bar
features . . . . . . auto shutter; auto/manual focus
illumination . . . . dimmable 40-LED array
articulation . . . . ±145 deg tilt; infinite pan
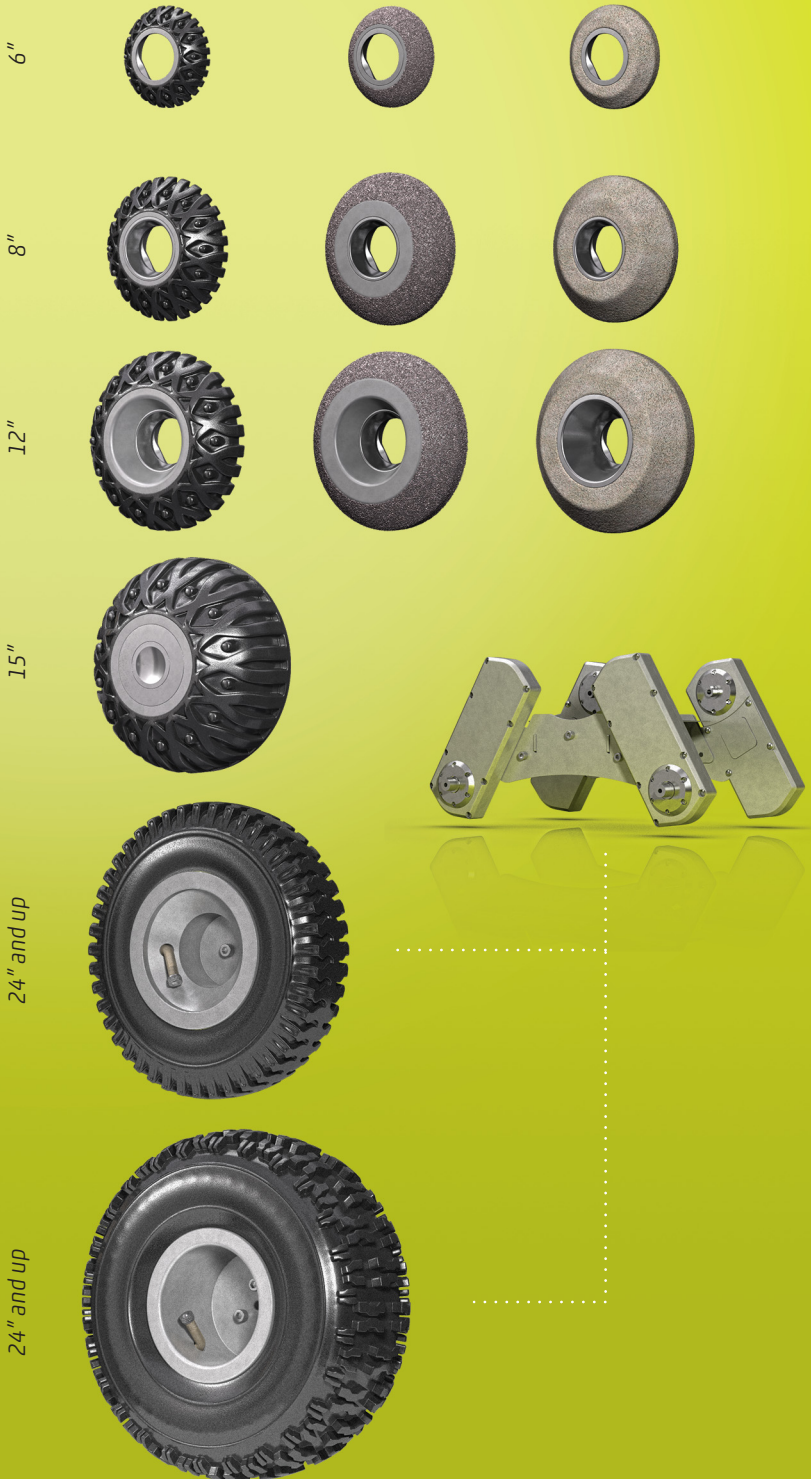*measurement*. . . . . twin laser diodes
sensing . . . . temperature, pressure, pan/tilt
size . . . . 6.6″ × 3.1″ × 2.8″ (168 × 81 × 72 mm)
weight . . . . 3.3 lb (1.5 kg)
materials . . . . aluminum, stainless steel

crawler (RX130)

wheels 6
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^2, 150-deg view angle
video capture . . . . MPEG-4 AVC (H.256)
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 (1.81 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′ (300 m)
cable diameter. . . . . ¼″ (6.5 mm)
cable weight. . . . . 0.03 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″ (132–312 mm)
materials . . . . aluminum, stainless steel

carriage (optional)

wheelbase (w/l). . . . . . 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

basic system

- 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)

options/accessories

- 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)
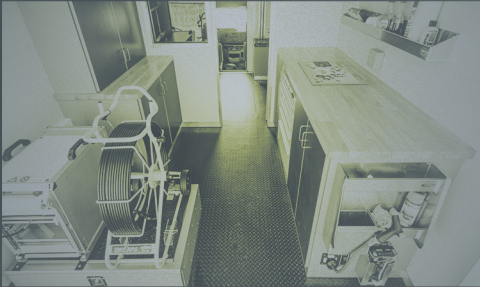- other accessories

ENvirosight

Regional sales, support and service across North and South America.

The industry's most extensive network of service partners.

preferred build-out

We've analyzed the preferences of our inspection vehicle customers to identify the most popular configurations. We offer these as our Preferred Build-Outs.

We can also build inspection vehicles of any chassis and size, with production facilities on each coast for responsive delivery. We stock select chassis and boxes, and can retrofit new systems into existing trucks.

immersive inspection

Take command of sewer inspection with the new VC500. This next-generation touchscreen controlfor ROVVER X supports your entire inspection workflow—operating the crawler, overlaying text, recording video and creating reports. What's more, it uploads your inspections wirelessly to WinCan Web, the new cloud platform for sharing sewer inspection data. In seconds, you can send your findings to anyone with a web browser.

- Operate crawler and reel using two joysticks and intuitive touchscreen controls.

- Log observations and capture video and images to create standards-compliant inspections.

- Create sophisticated text and image overlays.

- Measure wall defects, obstructions, diameter, bends, branch angles, flow level and inclination.

- Create reports and wirelessly upload inspections to WinCan Web for secure online sharing.

report generation

measurement

inspection

WinCan Web upload
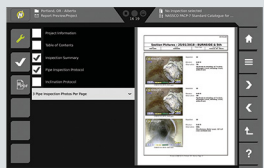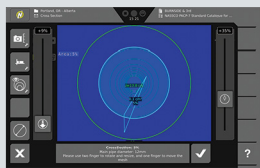
natural interaction
Auto-upright display lets you position joysticks where they're most comfortable. Gesture-sensitive touchscreen supports swiping, pinching and other interactions.

cloud connection
Upload your inspections via WiFi to WinCan Web, the new cloud platform for accessing sewer data instantly and securely via any browser-enabled device.
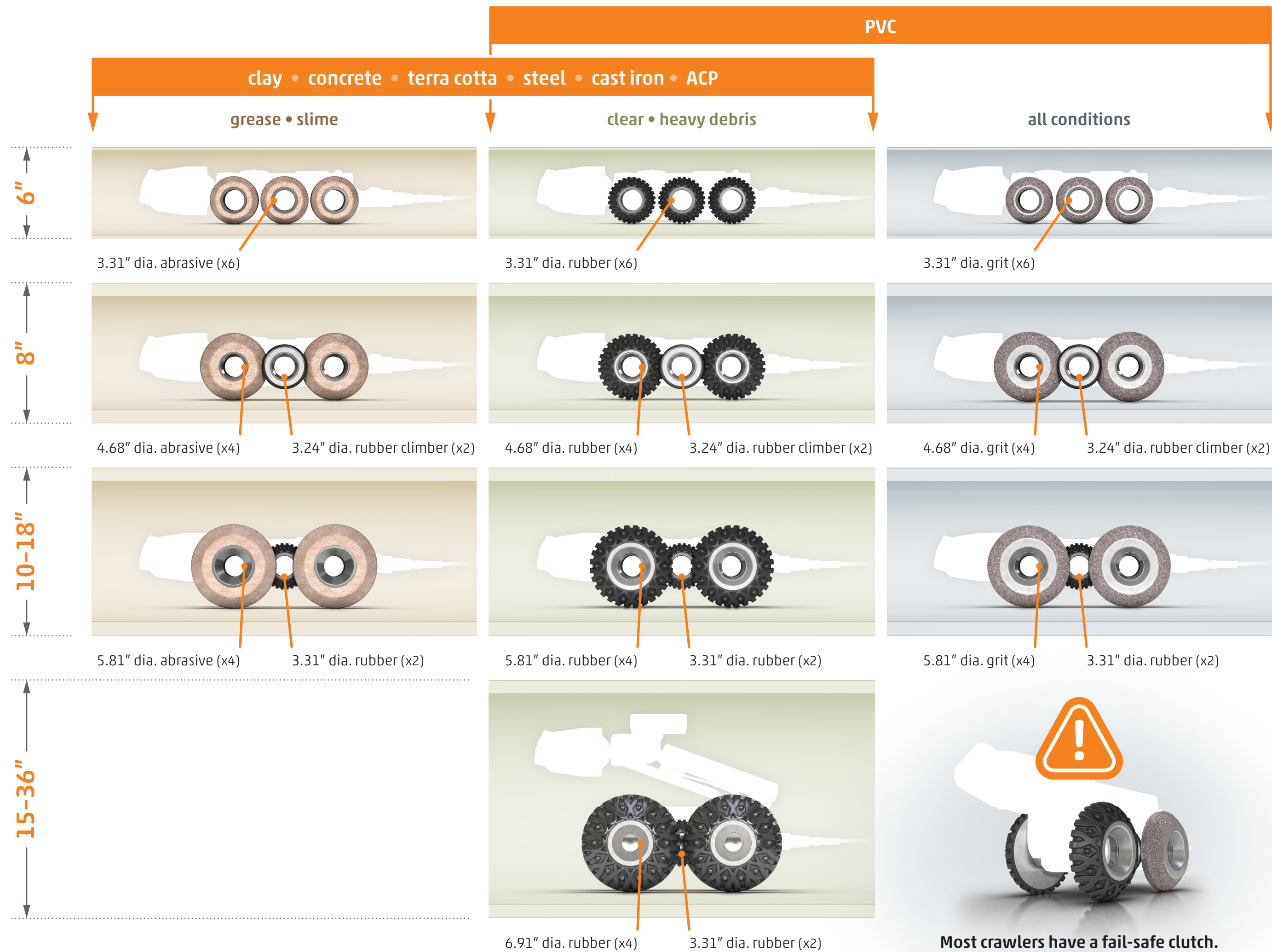
inspection crawler wheel set-ups

	grease • slime	clear • heavy debris	all conditions
	clay • concrete • terra cotta • steel • cast iron • ACP	PVC	

6"

grease • slime: 3.31" dia. abrasive (x6)
clear • heavy debris: 3.31" dia. rubber (x6)
all conditions: 3.31" dia. grit (x6)

8"

grease • slime: 4.68" dia. abrasive (x4) • 3.24" dia. rubber climber (x2)
clear • heavy debris: 4.68" dia. rubber (x4) • 3.24" dia. rubber climber (x2)
all conditions: 4.68" dia. grit (x4) • 3.24" dia. rubber climber (x2)

10-18"

grease • slime: 5.81" dia. abrasive (x4) • 3.31" dia. rubber (x2)
clear • heavy debris: 5.81" dia. rubber (x4) • 3.31" dia. rubber (x2)
all conditions: 5.81" dia. grit (x4) • 3.31" dia. rubber (x2)

15-36"

clear • heavy debris: 6.91" dia. rubber (x4) • 3.31" dia. rubber (x2)

⚠️

Most crawlers have a fail-safe clutch.

If your crawler doesn't, use rubber wheels on the front axle and grit on the rear for PVC inspection. (Failure to do so may prevent manual extraction in the event of crawler failure.)

Envirosight

1
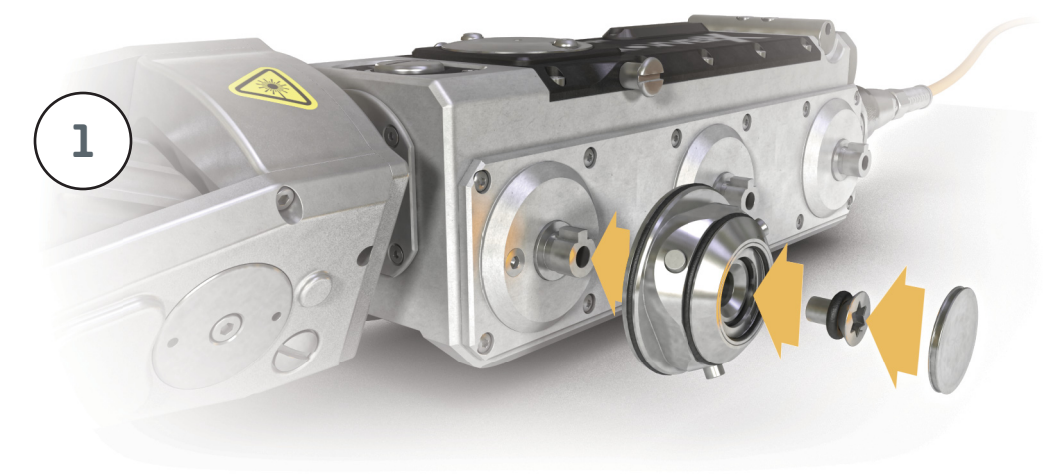
hub attachment: align key-ways and slide hub onto axle • slide o-ring onto screw • apply a drop of Loc-tite to screw threads • thread screw through hub into axle • push hub cover snugly into place

2

wheel attachment: align triangular lobes of hub with corresponding recesses on back side of wheel • push wheel firmly into place

3

wheel detachment: push hub of wheel with thumbs while pulling with fingers from back side of wheel

4
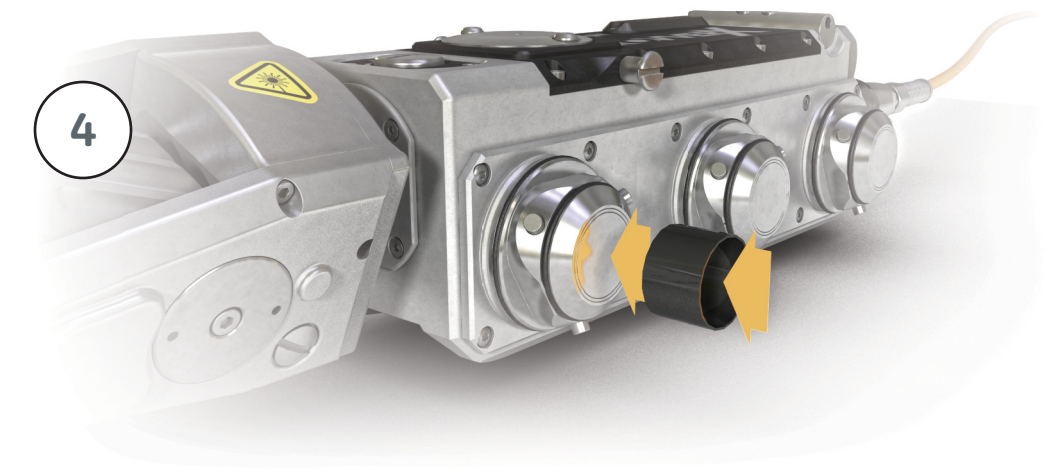
hub detachment: press removal tool into hub's o-ring groove • unthread fastener • pull hub from axle

OUTPOST

inspect sewers from a pickup or ATV

The rugged, weatherproof Outpost inspection transport enclosure powers, protects and organizes all your sewer inspection equipment, including crawler, cable reel, monitor and computer. A slide-out drawer holds 500 lb of accessories, and a partitioned video compartment stows the crawler, controller, reel, computer and monitor.

Welded aluminum construction has epoxy finish and gasketed doors.

Swing-up hood shields operator.

Blinders and flat interior reduce glare.

Shelving holds video/crawler gear.

Drawer compartments hold 500 lb.

Fork skids facilitate installation.

Optional washdown helps with cleanup.

lots of room
Easily deploy your crawler system, generator and wash-down system.

secure
Rugged, lockable construction protects your valuable equipment.

perfectly organized
Work efficiently with everything in its place and easy to find.

Envirosight