

ARIES

INDUSTRIES, INC.

VOYAGER™ HD MAINLINE INSPECTION SYSTEM



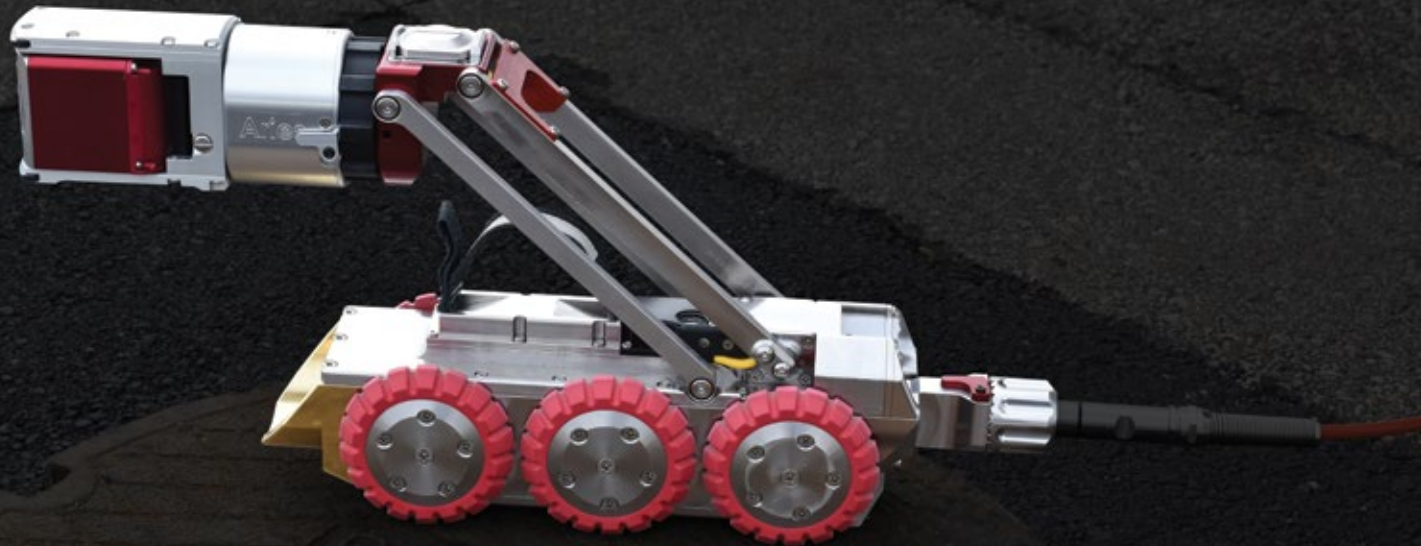
Detailed HD Video Capture

Responsive & Powerful

Advanced Technology



raising the bar **UNDERGROUND**



Voyager™ HD Mainline Inspection System

The Voyager™ HD System powers through debris and steers past obstacles to capture detailed, high-definition video of mainline conditions. The system combines a durable tractor, full HD 1080p WiperCam™ camera, and 1200' cable reel—operated by a CANbus controller for unmatched responsiveness.

DESIGNED & BUILT
BY ARIES INDUSTRIES



Mobile



Mobile Voyager™ HD Mainline Inspection System

Take your HD mainline inspections wherever you need to go with the Mobile Voyager™. The compact reel has 800' of cable and can be carried in a pick-up truck bed or mounted in a truck, van, trailer, or Aries TrailBlazer Mobile Enclosure for maximum flexibility. The hand-held controller with 15" daylight readable touchscreen display and ergonomically advanced thumbsticks is CANbus enabled for instantaneous camera and tractor response. Optional green battery powerstation or gas generator.

Clarity

The critical element of any inspection is the quality of the video captured underground. The compact Voyager™ HD WiperCam™ Camera delivers unmatched clarity to ensure no detail is missed.

- Pan and tilt 1080p full HD video camera
- 120x zoom capability
- Built-in lens wiper technology

Power

Debris and obstacles are no match for the rugged and responsive Voyager™ HD Transporter. Its all-wheel drive and instantaneous response give you complete control underground.

- Rear-viewing HD camera
- Multiple wheel configurations and integral camera lift
- Auto-drive to waypoints and auto-retrieve

Control

Operate every element of the Voyager™ HD Mainline Inspection System with a single, ergonomically advanced joystick controller. The digital CANbus controller delivers instantaneous crawler and camera response, while the handheld pendant allows for operation right at the manhole.

Access

Getting there is half the battle. From fully-customized high cube trucks to the TrailBlazer mobile enclosure, we make sure you can take your HD inspections wherever you need to go. Once on the job site, 1200' of cable extends your reach and minimizes set ups.





Voyager™ HD Mainline Inspection System

Making the most of every minute in the field is our number one goal. That's why the Voyager™ HD Mainline Inspection System was built to withstand the toughest environments, while also being easy to operate and maintain. We minimized set ups with 1200' of cable and we back up the Voyager™ HD Mainline Inspection System with Total Support. That means you have a team of industry veterans ready to answer questions, train your team, complete repairs or ship out parts from our U.S.-based facility.

Specifications

Overall System Specifications:

- Includes: Controller, Crawler, Camera, Reel

Truck-Mounted Controller

- Digital CANbus controls for instantaneous crawler and camera response
- Ergonomically advanced joysticks for control interface and viewing live HD video
- 7" touchscreen displays system status
- Responds to multiple controls simultaneously
- Graphical crawler roll-angle display
- Loss of seal integrity alerts with proactive internal pressure, temperature & humidity monitoring
- Crawler speed display
- Handheld pendant near reel for rear controls and diagnostics

Mobile Voyager™ Controller

- Digital CANbus controls provides instantaneous camera and crawler response
- Controller has 15" daylight readable touchscreen display and ergonomically advanced thumbsticks for control interface and viewing live HD video
- HDMI output can 1) mirror the display, 2) provide video with overlay or 3) provide video only (H.264 format)

Tractor

- Fits pipes relined 6"-48" and larger
- Standard motorized camera lift with internal gearing
- Autonomous time-saving functions such as auto-drive to waypoints & auto-retrieve
- Tool-less camera and cable attach/detach with rugged connectors
- Tough, reflective Kevlar lift strap with deployment loop
- HD backup camera

Camera

- Pan & tilt, 120x zoom full HD camera captures and transmits excellent quality, full HD video (1080p x 1920p)
- Continuous 360° dual-access camera rotation
- In-the-pipe Aries WiperCam™ lens cleaning system with field-replaceable wipers
- Front camera bumpers
- Optional dual camera lasers for accurate crack measurement

Cable Reel

- Truck-mounted reel with 1200' of 6-conductor cable
- Portable reel with 800' of 6-conductor cable (Mobile Voyager)
- 1200-pound pull strength
- Simple 6-wire resinless cable termination
- Cable management with electronic clutch responsive to crawler movement
- Street-accessible reel controls with emergency stop
- Quick one-button downrigger deployment
- Level wind with footage counter
- Precisely adjustable drum tension control

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EQUIPMENT



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