

**Trailer Mounted Mainline TV Inspection System
Base Unit**

Manufacturer	Model	Description
CUES	TRL	Trailer mounted Mainline TV Inspection System for the inspection of 6" and larger Sanitary Sewers and Storm Drains

7X12 TANDEM AXLE TRAILER, 7000GVWR

- 1 7X12 TANDEM AXLE TRAILER, 7000GVWR**
 - 1 Tandem Axle Trailer
- 1 TV TRAILER EXTERIOR LIGHTING & CONTROL ROOM - EVOLUTION 3.0 TO INCLUDE:**
 - 1 Amber LED Strobe Warning Beacons
 - 2 Adjustable LED Floodlights Rear of Vehicle area
 - Illumination Control Room Interior:
 - 1 Lonseal Lonplate Flooring
 - 1 Kemlite Wall & Ceiling Covering
 - 1 Bulkhead Wall with Passage Door from Control Room to Equipment Room
 - 1 Tinted Viewing Window in Bulkhead Wall
 - 1 Tinted Viewing Window in Bulkhead Door
 - 1 Above Desk Control Console with Rack Mount for Electronic Equipment
 - 1 Desktop / Work Area
 - 1 12V High Intensity LED Light Fixture
 - 2 Electrical Outlet with Dual Receptacles
 - 1 Fire Extinguisher with Bracket, 10BC Rating
 - 1 Operators Chair, Swivel with Casters
 - 1 Breaker Box Storage Area with Locking Positive Latch
 - 1 Battery Powered Carbon Monoxide Alarm
- 1 ROOF TOP AIR CONDITIONER, 13,500 BTU WITH HEAT STRIP**
- 1 STORAGE CABINET UNDER CONTROL ROOM DESKTOP**
- 1 BENCH SEAT IN CONTROL ROOM**
- 1 TV TRAILER EQUIPMENT ROOM INTERIOR - EVOLUTION 3.0 TO INCLUDE:**
 - 1 Lonseal Lonplate Flooring
 - 1 Kemlite Wall & Ceiling Covering
 - 1 Electrical Outlet with Dual Receptacles
 - 1 12V High Intensity LED Light Fixture
 - 1 15 Minute Courtesy Timer Located at Rear Door Area for 12V LED Interior Lights
- 1 P&T ZOOM M/C CAMERA**
 - 1 Solid State Color Sewer TV Camera
 - 1 Pan & Rotate Camera Head, 40:1 Zoom Ratio, 10x Optical Zoom, 4x Digital Zoom
 - 1 NTSC Color Standard with 4x Light Integration
 - 1 Camera Lighting System
 - 1 Camera Transportation and Storage Case

1 LED LIGHTEHEADS FOR MAINLINE CAMERA IN LIEU OF XENON TO INCLUDE:

- 2 4 x 5W Cluster LED's for 6" through 72" lines

1 21" TRAC TRANSPORTER M/C TO INCLUDE:

- 1 6" Track Transporter with Freewheel and Powered Reverse
- 1 Y Eliminator

1 8"-15" EXTENDERS FOR 21" TRAC TRANSPORTER**1 SPARE PARTS KIT FOR TRAC TRANSPORTER TO INCLUDE:**

- 1 Additional Chain Links and Rubber Cleats

1 12/5/4 ADAPTER CABLE**1 20-GALLON WASHDOWN SYSTEM TO INCLUDE:**

- 1 20-Gallon Fresh Water Tank
- 1 Electric Water Pump
- 1 Retractable Hose Reel with 25' Water Hose and Nozzle

1 UPPER AND LOWER STORAGE CABINET IN EQUIPMENT ROOM

- 1 Lower Storage Cabinet / Work Top with Sink and Faucet
- 1 Upper Wall Mounted Storage Cabinet

1 ADDITIONAL LIGHTING AND OUTLET

- 1 Light Mounted Above Work Top
- 1 Dual Receptacle Outlet above Work Top

1 24" REAR FLATSCREEN MONITOR MOUNTED ON A SIDEWALL OF THE REARMOST SECTION OF THE UNIT

- 1 Flat Screen Monitor
- 1 Cable Assembly - Video Monitor to Monitor in Control Room
- 1 Monitor Mounting Bracket for SIDEWALL

1 15 GALLON EPA FUEL TANK FOR TRAILER**1 7000 WATT GAS ONAN EVAPORATOR GENERATOR**

- 1 120 Volt 60 HZ 7000 Watt EFI (Electronic Fuel injection) Commercial Grade Generator
 - 1 Gasoline Powered
 - 1 Electric Start
 - 1 Air Cooled
 - 1 Generator Remote Start/Stop Cable assembly

1 POWER SUPPLY COMPONENTS TO INCLUDE:

- 1 Commercial Power Supply Receptacle, 25' Cord, and Plug
- 1 Electrical Supply Center with Circuit Breaker Box
- 1 Commercial power and Generator Power Connectors
- 1 Automatic Power Transfer Switch

1 SYSTEM ENGINEERING PANEL, FOR POWER INFORMATION AND GENERATOR FUNCTIONS, RACK MOUNTED, TO INCLUDE:

- 1 Four Function AC Power Meter displaying Critical Power Information including:
 - 1 Voltage
 - 1 Hertz
 - 1 Amperage
 - 1 Active Power (Watts)

- 1 Front panel Selector Switch for two modes of operation:
 - 1 Fixed reading
 - 1 Continuous Auto-cycling
 - 1 Generator Battery Meter to Display Starting and Charging Voltage
 - 1 Generator Hour Meter
 - 1 Generator Remote Start/Stop Control Switch
 - 1 On/Off Switch for Emergency Warning beacons (Switch to Illuminate When On)
- 1 1000' CABLE ASSEMBLY, M/C 12PIN METAL**
 - 1 1000' Gold Multi Conductor Kevlar Fiber Armored Combination TV Transmission / Tow Cable
 - 1 .450 Diameter
 - 1 Metal Splice Chamber with Pigtail
 - 1 Cable Strain Relief
- 1 TV REEL ASSEMBLY, MECHANICAL FOOTAGE FOR SUMMIT .450 CABLE**
 - 1 Black Thermoplastic Powder Coated Frame
 - 1 Power Levelwind & Multi Ratio Manual Transmission
 - 1 Footage Meter with Local Counter and Remote Electronic Counter
 - 1 Transmission Control at Viewing Station
 - 1 Local Reel Mount Electrical and Mechanical Control
 - 1 Sealed Continuous Contact Collector Assembly
 - 1 Removable Drip Pan for Cleaning
- 1 AUTOMATIC PAYOUT SYSTEM FOR REEL - INSTALLED**
- 1 DVR/USB ASSEMBLY KIT WITH MICROPHONE F/TRUCK**
- 1 19" (MINIMUM) FLATSCREEN COLOR INDUSTRIAL TV MONITOR NTSC / PAL COLOR STANDARDS**
- 1 PCU ASSEMBLY [RACK MOUNT]**
- 1 CCU ASSEMBLY [RACK MOUNT]**
 - 1 Alpha Numeric Information Display, with Multi Paging and Defect Coding
 - 1 Remote "QWERTY" Keyboard
 - 1 On Screen Footage Display
- 1 TEST CABLE**
- 1 8.7" MINI KEYBOARD**
- 1 BRACKET, LOGITECH CONTROLLER, K2**
- 1 WIRED & WIRELESS USB CONTROLLER**
 - 1 Joystick Control for Pan and Tilt Zoom Camera to Include:
 - 1 360 Degree Rotate
 - 1 330 Degree Optical Pan
 - 1 Joystick Control for All Steering Functions & Forward / Reverse Directions for Transporter
 - 1 Camera Lift Control for Optional Electronic Camera Lift
 - 1 All Other Controls for Camera to Include:
 - 1 Camera Iris and Focus Override & Zoom
 - 1 Camera Lights & Shutter Control for Light Enhancement
 - 1 Camera Diagnostics & Auto Home
 - 1 Cruise Control to Set Speed of the Transporter for Hands Off Operation
 - 1 All Reel Controls to Include: Retrieve, Release, and Variable Speed

- 1 KIT, DOWNHOLE, STD**
 - 1 Top roller Assembly, Manhole, TV Only, Al
 - 1 Claw Hook, Manhole Adapter, f/WT319
 - 1 Hook Assembly, Retrieval (SNGL, SHTY/LMP/PR)
 - 6 Pole Assembly, Retrieval / Downhole tl,58"
 - 1 Roller Assembly, Invert f/ WT319

- 1 MULTI CONDUCTOR TV ONLY TOOL KIT**
 - 1 Milliamp meter Tool
 - 1 Electrical Tape
 - 1 Needle Nose Pliers
 - 1 Six-In-One Screwdriver
 - 1 6" Adjustable Wrench
 - 1 Anti Seize Grease
 - 1 9-Piece Allen Wrench kit
 - 1 Solder Iron Kit
 - 1 Pliers
 - 1 5/32 T-Handle Hex Wrench

- 1 REDI EVALUATION KIT TO INCLUDE:**
 - 1 Rugged Weather Proof Storage Case
 - 1 Digital Hi-Resolution Wide Angle Web Camera
 - 1 Diagnostic Test Box to Include:
 - 1 Voltage Test Points
 - 1 Built-In Mini Camera
 - 1 Footage Test Box
 - 1 Digital Multi-Meter
 - 1 USB Diagnostic Tool
 - 1 Video Cables and Adaptors

- 1 TRAINING, ON-SITE (TWO DAYS)**