

### Portable Mainline and Small Diameter Pipe TV Inspection System Base Unit

Manufacturer	Model	Description
CUES	Mark3	Portable Mainline and Small Diameter Pipe TV Inspection System for the Inspection of 6" and Larger Mainline sanitary sewers

#### 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 for 6" through 72" lines
- 1 Camera Transportation and Storage Case

#### 1 LED LIGHTHEADS 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 MARK3 Compact Heavy Duty Cable Reel Assembly with Automatic Cable Payout to Include:

- 1 Lightweight Aluminum Construction with Heavy Duty Welded Main Frame Assembly
- 1 Electric Motor Rewind
- 1 Heavy Duty Automatic Level Wind with Bottom entry/exit Cable Point
- 1 Automatic Payout Feature for Video/Power Cable
- 1 Manual Clutch for Freewheel Operation
- 1 12 Conductor Slip Ring
- 1 Slip Ring Assembly
- 1 Stainless Steel Hub Shaft
- 1 Emergency Hand Crank for Cable Retrieval in Case of Power Loss
- 1 Electronic Footage Encoder
- 1 Local Reel Control with Emergency Stop for Safety
- 1 Fully Enclosed Reel for Safety
- 1 Plexiglass Viewing Panels for Level Wind and Cable Drum Areas
- 1 Rear Mount for K3 Power Control Unit

#### 1 K3 Camera and Transporter Power Control Unit to Include:

- 1 Combination Color Camera and Transporter Control System - 110 VAC/60Hz - NTSC
- 1 Electronics Mounted in Weather Proof Ventilated Enclosure with Protective Cage
- 1 Ability to Mount K3 Power Control Unit to Rear of MARK3 Reel or Independently
- 1 Illuminated Main Power Switch
- 1 Built in SD Card Reader for Digital Recording

- 2 USB Connections
- 1 Video out Connection for Remote Monitor
- 1 System Controlled by Wireless or Wired Hand Held Controller
- 1 Integral Data Display System to Include:
  - 1 Alpha Numeric Information Display
  - 1 Multi Paging
  - 1 Defect Coding
- 1 Multi-function external AV input/output port
- 1 Interface Cable
  
- 1 MARK3 Monitor/Keyboard in Weather Proof Case to Include:**
  - 1 10.4" Flat Panel Sunlight Readable Monitor
  - 1 Custom Keypad for Titling and Digital Recording Control
  - 1 System Status Indicator
  - 1 Microphone Jack
  - 1 Built-in Speaker
  - 1 USB Port
  
- 1 MARK3 Heavy Duty Ram Mount for Mounting Monitor/Keyboard Case to MARK3 Reel to Include:**
  - 1 Fully Adjustable Ram Mount
  - 1 Ability to Raise Monitor/Keyboard Case by 10 Inches
  - 1 Ability to Rotate Monitor/Keyboard Case 180 Degrees
  - 1 Tilt Adjustment of Monitor/Keyboard Case
  - 1 Hardware for Attaching Ram Mount to MARK3 Compact Reel
  - 1 Hardware for Attaching Monitor/Keyboard Case to Ram Mount
  
- 1 MARK3 Heavy Duty Universal Vehicle Mount (Soft mount) to Include:**
  - 1 Heavy Duty Aluminum Construction
  - 1 Heavy Duty Fold down Easement Roller/Side Load Arm with Cable Guide Fairlead
  - 4 Quick Release Stainless Steel Securing Pins with Lanyards
  - 1 Rapid Attachment or Removal of MARK3 Compact Reel
  - 1 Stainless Steel Drip Pan - Removable for Cleaning
  
- 1 MARK3 Heavy Duty Handle Set for Transporting Compact Reel to Include:**
  - 1 Heavy Duty Lifting Handle Set (2 Handles Total) for MARK3 Compact Reel
  - 1 Hardware for Mounting Handles to MARK3 Compact Reel
  
- 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



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**Specifications for:**

**NC Sheriffs' Contract  
Bid#22-06-0426**

- 1 CABLE ASSY, M/C, YELLOW STD, 12P, 1000'**
- 1 TIGER TAIL**
- 1 MANHOLE TOP ROLLER ASSEMBLY, TV ONLY**
- 3 RETRIEVAL/DOWNHOLE POLE ASSEMBLY**
- 1 RETRIEVAL HOOK**