MANUFACTURER OF ADVANCED SEWER AND PIPE INSPECTION CAMERA EQUIPMENT

TEXAS UNDERGROUND inc.

PIPEHUNTER™

www.pipehunter.com

IRIS PAN & TILT MAINLINE CRAWLER

AFFORDABLE.PORTABLE.POWERFUL

PORTABLE MAINLINE SYSTEM

POWERFUL WINDOWS APPS

PAN 180, TILT 360 (ROTATE)

SIMPLE PENDANT CONTROL

Integrated Remote Inspection System (IRIS)

GENERAL OVERVIEW

IRIS is an **"All-In-One"** Pan & Tilt mainline sewer video inspection system that is compact & portable which incorporates a motorized crawler and power rewind/ feed assist cable drum. IRIS utilizes a Pan & Tilt camera allowing 360 degree rotation and 180 degree pan. Pipe inspection size range from 6 to 12 inch diameter and up to 18 inch with additional wheel set with 600 feet of premium tether cable.

OPERATING PLATFORM:

- Windows7 x 64 Professional
- Intel i5 Processor
- Powerful Windows Apps
- Gig Bit User Ethernet Connection/port
- Wireless Network Enabled
- 500GIG Solid State Drive

CONTROL PANEL DISPLAY:

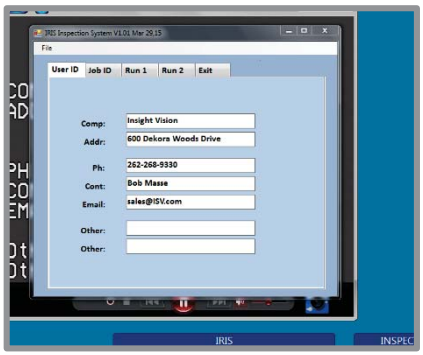
- Screen is 10" color High Resolution LCD touchscreen
- Digital On-screen Text Enable
- External HDMI Port
- Wireless "N" speed connectivity
- Operates on Windows 7 x 64 bit Professional
- Interface includes Wireless Remote Access Wi-Fi
- External recordings to USB and SD

PAN & TILT CAMERA:

- Camera Pan & Tilt is 360 degree rotation by 180 degree pan
- Fixed focus at 6 through 24 inch
- Camera head height adjustable for various size pipes
- Impact resistant and replaceable polycarbonate dome
- Video system is NTSC or PAL Mode
- Resolution is 640 x480 pixels
- Hi-intensity LED's provides pipe illumination
- Imager sensitivity is 1 Lux

SYSTEM RECORDER:

- Easy 'One-Touch' recording from the touch-screen
- User accessible USB 2.0 and 3.0 ports
- Snapshots in JPEG/ PNG
- MPEG4 video compression for ideal data sharing
- Flexible Multi-Format Data Gathering Program compatible
- Auxiliary video input and output ports for external video devices
- Multi-Monitor Windows operation enabled
- Automatic and file storage to user directories and storage media



ON SCREEN TEXT:

- Multi tab/page text entry screen with digital footage counter
- User Job and multi-run tabs allows documenting inspection
- Footage counter reading is exportable to third-party software
- Third-party PACP software can be integrated with the system

TRANSPORTER:

- Six-wheeled crawler with all-wheel drive
- Three available wheel sets for various pipe size ranges
- Pipe diameter 6” to 12” (Up to 18” with additional wheel set)
- Tractor operates via pendant speed and direction controls
- High grip polymer rubber tires for demanding conditions and terrain
- Heavy-Duty Planetary gear transmission
- Rare Earth Motor
- Leak/pressure test valve/port
- Hardened helical final drive gears
- Easy/rapid wheel change with single retaining nut per wheel
- Weight of transporter is 35 lbs.
- Transporter dimensions is 19”L x 3.5”H x 5”W
- 9 High-Intensity LED lateral lights

MOTORIZED REEL CABLE DRUM:

- Motorized Reel rewind and payout
- Variable speed 110 volt video cable retrieve and payout
- Automatic freewheel drum clutch
- Standard 600’ per system with longer lengths optional
- Tangential measuring wheel system
- Quadrature encoder, 100 pulses per foot
- Footage accurate to +/– 1% of reading
- On-screen distance display in feet or meters
- Direct driven level wind system linked to drum movement to level wind cable
- Reel weight is 130 lbs.
- Reel dimensions is 29”H x 20”W x 21”D
- Reel is splash resistant with cover
- Reel power 110 volts (Approx. - 800 watts) 240V optional

MOTORZIED DRUM DESCRIPTION:

The motorized ***reel*** can hold up to 600’ of multi-conductor flexible video cable and has the function of being fully automatic when in the rewind/ feed assist mode. This feature allows the cable to be rewound at the same speed as the crawler to avoid running over the cable. Motor rewind capability level wind with attached counter. The ***integrate reel and control unit*** is built with a telescopic handle and wheels for easy portability. The ***control unit has*** **an** integrated accessory power outlet, multiple recording ports, HDMI, and 10” LCD Touch-Screen for usability.