



MANUFACTURER OF ADVANCED SEWER AND PIPE INSPECTION CAMERA EQUIPMENT

insight|VISION

800-488-8177

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

**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 remarkable 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 mini-coax cable.

OPERATING PLATFORM:

- Windows7 x 64 Professional
- Intel i5 Processor
- Powerful Windows Apps
- Gig Bit User Ethernet Connection/port
- Wireless Network Enabled
- 500GB 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:**

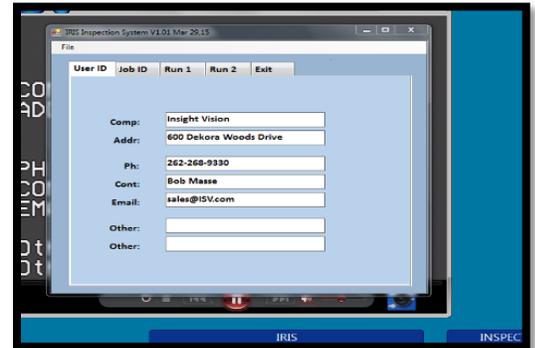
- Multi tab/page text entry screen with digital footage counter
- User Job and multi-run tabs allows documenting inspection
- Footage counter reading is exportable to third-party software
- Third-party PACP software can be integrated with the system

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/ 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 160 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

**MOTORIZED 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 **integrated 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.



INSIGHT | VISION: SEWER CAMERA MANUFACTURER



We are an innovative American manufacturer that designs and manufactures advanced sewer inspection cameras. We focus on developing high-performance and user-friendly video inspection equipment that delivers excellent field results.

To better serve our customers, we consistently manufacture top-rated sewer camera systems and provide personalized customer service. Our work environment is constantly dynamic, flexible, forward thinking and systematically challenging to our employees!

“We simply have the vision and enthusiasm to push for new designs to satisfy our customer’s needs.”

OTHER SEWER CAMERAS WE MANUFACTURED



TRAINING / MANUALS

One (1) operating system manual shall be included. Come and visit our 300' mainline test track to get in-depth instructions and tutorials on the operation and function of the CCTV sewer camera system, we welcome all visitors to our company.

WARRANTY

All items furnished in accordance with these specifications shall be covered by the manufacturers and/or suppliers standard warranty or guarantee on new equipment. The minimum warranty period of the new video inspection equipment will be one (1) year for all parts and labor on manufacturer's defects.