



IRIS MAINLINE CAMERA

COMPACT & PORTABLE MAINLINE CRAWLER



PRODUCT OVERVIEW

An "All-In-One" Pan & Tilt mainline sewer inspection crawler that is compact and portable. Built with a 10" LCD touchscreen right on front of the reel for ease-of-use and installed with Windows 7 operating system. A user friendly motorized power rewind/ feed assist cable drum which holds 600 feet of premium Kevlar mini-coax cable. Incredible Pan & Tilt camera on the motorized crawler allowing 360 degree rotation by 180 degree pan, ideal for most common pipe inspection size range from 6" to 12" diameter (up to 18 inch with additional wheel set).





IRIS MAINLINE CAMERA

MOTORIZED REEL DESCRIPTIONS

The IRIS motorized reel holds 600 feet of multi-conductor Kevlar strength video cable. The reel has a motor rewind capability level wind with attached distance counter for ease of use. Being automatic when in the rewind/ feed assist mode will allow the cable to be rewound at the same speed as the crawler to avoid running over the cable. The integrated reel and control unit is built with a telescopic handle and wheels for easy portability. Also, integrated with additional accessory power outlet, multiple recording USB ports, HDMI, and video jack to maximum control and capabilities.



MOTORIZED REEL CABLE DRUM

- Variable speed motorized reel rewind and payout
- Automatic freewheel drum clutch
- Standard 600' Kevlar strength mini-coaxial cable
- Tangential measuring wheel system
- Footage Counter
- Level wind system
- Reel weight is 150 lbs.
- Reel dimensions is 29"H x 20"W x 21"D
- Reel is splash resistant with cover
- Reel power 110 volts 240V optional
- Auxiliary video input and output ports for external video devices
- User accessible USB 2.0 and 3.0 ports
- Ethernet port for network connection
- Multi-Monitor operation enabled



MOTORIZED CRAWLER & CONTROLLER

- 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)
- High grip polymer tires for demanding conditions and terrain
- Heavy-Duty Planetary gear transmission with 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
- Built with (9) Bright LED lateral lights
- Control the light brightness on the crawler
- Digital hand controller with "Auto-home" Button
- Tractor operates via digital hand controller



PAN & TILT CAMERA

- Camera Pan & Tilt is 360 degree rotation by 180 degree pan
- Fixed focus at 6" up to 18" pipeline
- Camera head height adjustable for various size pipes
- Impact resistant and replaceable polycarbonate dome
- Video system is NTSC
- Resolution is 640 x 480 pixels
- Bright 4 front LED's provides pipe illumination
- Camera sensitivity is 1 Lux





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MOTORIZED CRAWLER DESCRIPTIONS

A robust crawler designed to be water resistant and can be fully submersible in water filled sewer pipes. Made out of corrosion resistant brass to withstand harsh and chemically treated underground environment. To assure the longevity of our crawler, we have completed a 250,000 ft. runs of quality life-cycle testing on the crawler clutch. Built with a full 360 degree rotation and 180 degree pan (fixed focus camera), which capture a full detail inspection. Integrated with a user-friendly digital hand controller that will reset the camera back to upright position, no more manual adjustment and reducing setup time.



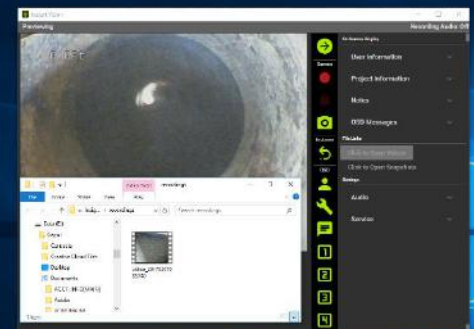
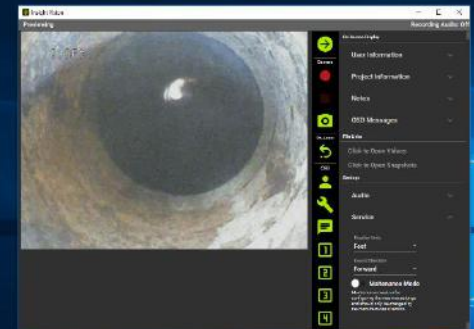
OPERATING PLATFORM

- Windows 7 x 64 Professional
- Intel i5 Processor
- Powerful Windows Apps
- Wireless Network Enabled
- 500GB Solid State Drive
- External recordings to USB and SD
- Support External HDMI Port
- Screen is 9.7" color High Resolution LCD touchscreen
- Interface includes Wireless Remote Access Wi-Fi



IRIS SYSTEM APP

- Display distance counter – Top left (Fixed)
- Audio recording over video via USB Microphone or headset
- On-screen distance counter display in feet or meters
- Digital on-screen Text with digital keyboard
- Works on Windows 7, 8 and 10 Operating System
- OSD means On Screen Display
- OSD Displays for 15 sec
- Option to Pause and continue recording
- Settings are Auto-save until new changes are made
- Playback recorded videos on Windows Media Player
- MP4 format can be played back on most media player
- Automatic file storage to Snapshots and Picture folder
- Easy "One-Touch" recording from the touch-screen
- Take pictures in JPG format
- Record to MP4 video format
- Third-party PACP software can be integrated with the system
- User-friendly system control interface
- Displays video file sizes while recording
- Option to turn On/Off audio recording
- Option to add up to 4 messages
- Simple "Clear All" button for new data entry



NEW MOBILE PHONE APP

- Stream Wireless Video (No Internet Needed)
- Works on approved Android™ & Apple™ mobile devices (Free Download)
- View, record, playback and snapshots
- Upload to Internal Device, Email, or YouTube
- Display wireless video connection up to 100ft.
- Snapshots in JPEG/ PNG





IRIS MAINLINE CAMERA

COMPACT & PORTABLE MAINLINE CRAWLER INCLUDES



SYSTEM 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.

INCLUDED WITH THE SYSTEM



15V POWER CORD



PENDANT



SUNSHADE



6 X MIDI WHEELS



6 X SMALL WHEELS



LCD COVER



RAIN COVER

ADDITIONAL ADD-ONS

PART

PRICE

512hz Sonde Add-on	106013	\$660
Pneumatic Air Tire Assembly (4) + Hub (up to 18" pipe)	208100	\$592
Replacement tire tread – 6" ea.	509004	\$28
Replacement tire tread – 8" ea.	509005	\$38

INSIGHT VISION - SEWER CAMERA MANUFACTURER

We're 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 to our highest quality standard of sewer cameras and provides personalized customer service. Our work environment is constantly dynamic, flexible, forward thinking and systematically geared towards our customers!"

Other sewer cameras we manufactured:



VUTEK PUSH CAMERA



OPTICAM PUSH CAMERA