Versatility, durability, and reliable performance! The K2 portable Base Station can be mounted on a wide range of vehicles, trailers, or used as a stand-alone system. The compact K2 Base Station is supplied with a choice of an ergonomic wireless hand-held control or game pad control that operates all CUES transporters and pan and tilt/zoom cameras.

- Portable platform
- Auto payout reel
- Light, field-packable
- Runs all CUES transporters and pan/tilt/zoom cameras
- Optional transporter wheel sets for all pipe conditions
- Wireless ergonomic hand control for complete system management
- Increased cable capacity/compact reel
- K2 can be stand-alone, trailer, or vehicle-mounted
- Collapsible heavy-duty handle/plus grab handles to facilitate portability
- Optional semi-pneumatic wheels for portable cable reel - single point removal

Use with your CUES multi-conductor multi-line, wheeled and non-steerable transporters!

Various wheel sets are available to maximize bottom clearance, traction, and optimum camera position!
CLIMB TO NEW HEIGHTS

Wireless Control of Cameras, Transporters, & Reels

K2 offers various mounting options to meet your needs!

K2 Base Station features built-in diagnostics for the entire system, including the camera, transporter, and video cable. The portable K-2 video cable reel features automatic payout to minimize cable drag on the self-propelled transporter / camera to maximize pull distance in the pipe and can operate the full line of CUES transporters.

The K2 reel control console includes variable speed control, automatic levelwind, and an emergency shutoff. Increased video cable reel capacity for 1200 ft. of high strength video cable is provided to maximize distance for each inspection run. Transport handles are built into the K-2 with an option for a collapsible heavy-duty handle and semi-pneumatic wheels to facilitate portability.

The K2 Base Station can be mounted on the built-in docking port of the video cable reel or staged independent from the reel. It includes a built in video overlay unit with programmable observation codes, alpha-numeric titling, and an on-screen footage display. K2 series options include Granite XP asset inspection / decision support software and DVD or digital recorders.

RUGGED, DURABLE, VERSATILE!

www.wecoindustries.com (800) 677-6661 TV Systems
K2 Summit Wireless Base Station
Portable Video Inspection System

FEATURES & BENEFITS

- Wireless control of all camera, transporter, and reel functions
- Enables operation of the system remotely from any angle up to 100 ft.
- Compact, lightweight, rugged, weatherproof enclosure
- Can fit into a pick-up truck, ATV, trailer or van
- Partition separates the video cable reel with tractor and camera storage from the power control unit, monitor, and optional computer based data acquisition system
- All controllers, TV monitor, and power control are rack mounted to maximize ergonomic operation and protected by a sealed and lockable hatch
- The racks are mounted with shock-isolators to prevent equipment damage from jarring and vibrations
- Sealed front door is hinged, supported by a gas shock, and functions as an awning in the open position
- Easy access to service and maintain the unit via removable panels
- Operates all CUES wheeled and tracked transporters to accommodate 6” - 200” pipe inspection!
- Operates all CUES pan and tilt zoom cameras with optional built in inclinometer or built-in sonde
- Available with CUES laser pipe profiling system
- The K2 Base Station is covered with protective aluminum sheets and industrial grade weather resistant paint
- Built-in camera and camera transporter storage
- Rubber seals, gaskets, and aluminum water-tight enclosure to protect all components
- Optional heavy duty welded lifting eyelets or forklift skids available for quick deployment or removal from an ATV or truck
- Optional automatic video cable payout on the reel to maximize transporter pull distance
- Optional laser-based precision measurement system to accurately measure offset joints, cracks, and joint separations in sanitary or storm sewers

Mount in an ATV, Pick-up Truck, Trailer or Van!

Provides Maximum Protection via an Enclosed Video Inspection System!

Versatile, Mobile, Rugged and Economical!
The system equipment can be configured based on your needs!
Mini-Push 20/20
Portable Mini-mainline System

The CUES Mini-Push 20/20 is an all-inclusive, ready-to-use, portable, color video inspection system with a built-in battery power supply and battery charger. The Mini-Push 20/20 uses proven video technology to view and record pipelines from 2" in diameter and larger and can operate with existing CUES PS2, PS3 and self-upright cameras. The 6.4" color LCD monitor is adjustable with a fold down position for protection during transport and includes a sun shield for optimal viewing in sunlight. This lightweight system includes wheels for easy portability and a balanced footprint for stability. Manufactured for rugged reliability and designed to handle rigorous field use, the Mini-Push 20/20 is a versatile tool for any portable system user.

Features & Benefits:

• Alphanumeric video titling for on-screen footage display and comments
• 6.4" color LCD monitor with adjustable 3-axis display angle
• Universal AC power input of 85-264 VAC at 50/60 Hz
• The system operates using an internal 12-volt battery with battery charger
• Weather/water resistant aluminum electronics enclosure
• Operating instructions included on front of electronics enclosure
• Built-in connections for optional VCR
• Over voltage protection for built in camera lighting
• Reel assembly includes a footage counter on the basket hub and cable contact is not required
• 100’ push cable (standard)
• PS3 standard 1.5” diameter color camera for 2” - 8” pipe
  • High resolution - 450+ lines; high sensitivity - 0.3 lux
  • Long life LED light head with light intensity control
• Operates with a PS3, PS2, and self-upright camera
• Operates with any constant tone, 512 Hz locator/receiver

Optional MP 20/20 Equipment:

• An optional configuration with a larger basket size is available to accommodate up to 500’ of .517” push cable
• An optional DVR-SD Digital Video Recorder, mounted on the MP 2020 in a protective case, is available to digitally record the video inspection and audio.
• High-brightness, 700 nit sunlight-readable, LCD display
• Keyboard to create defect and commentary entry
• 200’ push cable
• Mainline translator module and interface cable for operation with a standard multi-conductor truck
• VCR housed in a transport case, AC or DC option
• Built-in locator/receiver for accurate camera location in metallic and non-metallic pipes
• PS2 or self-upright camera
• Pneumatic tires are available to transport the MP2020 across rough terrain

Lightweight system for easy portability!
Optional Equipment - Customer Choice Packages

- Sonde for Camera Location in Metallic and Non-metallic Pipe
- DVD or DVR to Record the Pipeline Inspection
- PC Style Keyboard for Data Entry
- High-resolution LCD Monitor with High-intensity Backlighting
- Coiler to Truck System Translator Module and Interface Cable

NEW! Use the wireless packages below to create a cost-effective Lateral Inspection System!

**Wireless Video to a new or existing TV unit** - Includes 2.4 Ghz wireless video receiver, all cabling, A/B video switch to interface with your existing digital video capture system.

**Wireless Transmitter for MP2020** - This package provides the wireless transmitter and items needed to allow the video from the MP2020 to be sent back to a wireless receiver. Note: This package requires a wireless receiver package for operation (QC913) and cannot be used at the same time as either mobile digital video recorder option.

NOTE: Additional equipment may be required based on your specific system to operate the MP2020 with the options listed above.
MP\textsuperscript{lus}+
PORTABLE LATERAL &
MINI-MAINLINE PUSH SYSTEM
**MPplus+**

**PORTABLE LATERAL & MINI-MAINLINE PUSH SYSTEM**

The CUES MPplus+ offers the most flexible and feature packed lateral and mini-mainline push system on the market. The MPplus+ modular design enables easy operation with its refined All-In-One set up, but additionally offers flexibility by facilitating quick removal of the control unit to be used separately for off road or remote job sites or to accommodate compact storage. The advanced MPplus+ system stands out by integrating all of the most sought after features including video titling, video observation coding, digital recording and portability into an easy to use and intuitive package. This lightweight system includes large and durable wheels for easy portability and a balanced footprint for stability. Manufactured for rugged reliability and designed to handle rigorous field use, the MPplus+ is the most versatile Push system available in the market today.

**FEATURES & BENEFITS**

- Full featured control unit offers Advanced Text Writing, Observation Coding, Digital Recording and more in a weather/water resistant enclosure.
- The large 8.4” industrial grade Optically Bonded monitor offers maximum viewing in adverse conditions.
- Advanced Operator Interface simplifies functions with an easy to understand and intuitive interface.
- Multiple camera heads are available for 2” through 12” pipelines. Advanced camera head design and technology gives you the best picture in any pipe condition. Available with self-leveling and built-in sondes.
- Extensive Video Titling includes multiple predefined and customizable screens for job documentation. Customized screens and operator data are retained in memory for efficient operation.
- The Advanced Digital Recorder features video recording and playback and additionally captures screenshot picture images. The operation is fully integrated with easy to understand intuitive controls.
- Operate the MPplus+ anywhere with either 110 AC mains power, 12VDC power or the advanced internal Li-Ion built-in battery delivering hours of use on a single charge.
- The durable coiler will deliver years of service with its heavy gauge and corrosion resistant Stainless Steel construction.
- Push Cable features a durable Hytrel jacket and an advanced fiberglass rod designed for longer pushers and extended life.
- Optional adapters are available for the MPplus+ to work with track mounted and portable mainline systems.
- Optional built in line tracing feature
**CONTROLLER**

- 8.4” optically bonded sunlight readable LCD monitor with LED backlighting.
- Advanced technology increases readability in bright conditions by dramatically improving contrast.
- The durability and ruggedness is dramatically improved by using an optically bonded glass shield to resist scratches, impacts, and moisture intrusion.
- The advanced MPlus+ monitor design eliminates condensation and fogging on the display surface.
  - The control unit features a quick connect mount for attaching to the coiler. The advanced Quick-Connect “click-lock” feature is a no-hander locking mechanism for simple and secure mounting. Adjusted in 3 axes for optimal viewing.
  - Digital video and still image recording with an on-screen menu. The integrated controls feature intuitive buttons for all recording and playback functions.
  - Record directly to SD memory cards which are recognized to withstand the toughest conditions and are waterproof, shockproof, and X-ray proof and can operate in temperatures ranging from -13 to 185 deg F.
  - A USB port is included for transferring video and still images directly from your MPlus+ to your computer.
  - On-Screen recording indicators and intuitive menus reduces costly errors and rework.
  - System Interface connection offers flexibility for unique applications and includes Video, Audio, and 12VDC outputs and a Video input.
  - Quadrature Footage interface to external asset management software and Granite XP
  - Universal AC power input of 85-264 VAC at 50/60 Hz and 12VDC input
  - Internal Li-Ion Battery with intelligence technology offers 4+ hours of continuous use on one charge.
  - Heavy duty weather/water resistant injection molded control unit.
COILER & CAMERA

- 100, 200, 300 and 350 push cable lengths available
  - Industry leading durable Hytrel jacket.
  - Fiberglass push rod optimized for longer pushes.
- On-screen distance counter
  - Configurable for any installed push rod length.
  - Customizable on-screen position and unit settings.
- SR3 1 1/8” diameter Self-Leveling Color Camera for 2”-12” pipelines.
  - High Resolution 450+ lines, 3lux high sensitivity
  - High intensity LED lighting with variable intensity and alignment.
- Powerful 512Hz sonde for locating in metallic and non-metallic pipelines.
  - Line Trace post for use with optional line transmitters and inductive signal clamp.
  - Compatible with multiple frequencies including 128 Hz, 1kHz, 8 Hz, 33kHz – Maximum 10 Watts.

OPTIONAL EQUIPMENT

- An optional configuration with a larger basket size is available to accommodate up to 500ft of .517” push cable.
- Wireless digital video for operation with a mainline truck or any other remote location with receiver.
- Compatible with PS2 and PS3 camera heads
- Optional Locator/Receiver for accurate camera location in metallic and non-metallic pipelines
- Mainline interface cable for operation with a standard CUES multi-conductor TV truck.