



CAL Services provides cost effective solutions for everyone involved in ground work and the location of buried utilities. We have a full servicing capability for most makes and models of cable locator on the market and can supply reconditioned units at affordable prices.

CAL Services is also an authorised distributor of the TOMKAT 2 cable locator. In our opinion the most affordable and cost effective cable locator on the market.

Cable Avoidance Servicing, Calibration and Repairs

CAL Services is very aware that a large proportion of your products are used as safety tools. It is our company policy to ensure that all repaired equipment should undergo a rigorous testing procedure before certification and delivery of the instrument.

Standard Service includes:

- Thorough cleaning
- Bench re-calibration
- Replacement of speaker (if required)
- Replacement of Potentiometer (if required)
- Full set of replacement labels
- Live on-site test to ensure peak performance
- Repair work fully guaranteed for 3 months
- 12 month Certificate of Conformity



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vCam CCTV Inspection systems

Benefits:

- Inspection, checks and double-checks for everyone
- Simple operation with intuitive menu interface
- Recording at the touch of a button using the integrated MP4 recorder
- 60 GB hard drive with Windows-style data management without the need for confusing media
- Integrated locating probes with the frequencies 33 kHz, 512 Hz, 640 Hz (compatible with all common locators)
- Watertight keyboard for immediate data entry or subsequent editing



The vCam is the third generation of CCTV inspection camera designed and developed by Vivax. As with all Vivax products – the design has been heavily influenced by our Customers and the experience of extensive field use. It is sold and supported by dedicated professionals around the world.

The vCam CCTV pushrod inspection cameras, provides the choice of two control modules – the vCamView for viewing only, and the vCamDigital for viewing and recording. Three reel options are offered “The Cart” (Type-C – 100 ft / 30 m or 200 ft / 60 m pushrod cable), which is the standard reel, “The Mini” (Type-M – 100 ft / 30 m pushrod cable) for those requiring a small reel, and a “large reel” (Type-P – 400 ft / 120 m pushrod cable). The pushrod cable comes in two sizes 10 mm for use in small diameter pipes, and the 12 mm diameter for larger pipes, and/or longer distances. Standard and Self leveling cameras are available for each cable size.

The vCam range of pushrod CCTV Inspection cameras was designed and developed with the help of Customers who use these products on a daily basis. Each of the following features are in response to their specific requests.

Benefits at a glance

- Inspection, checks and double-checks for everyone
- Simple operation with intuitive menu interface
- Long-life battery
- Recording at the touch of a button using the integrated MP4 recorder
- Transfer to any storage medium via USB, mini USB, SD
- 60 GB hard drive with Windows-style data management without the need for confusing media
- Integrated locating probes with the frequencies 33 kHz, 512 Hz, 640 Hz (compatible with all common locators)
- Sturdy camera head provides portrait format picture
- Repair kit for DIY maintenance
- Watertight keyboard for immediate data entry or subsequent editing
- Detachable control box with long data cable allows working in a dry environment

Control module

- New compact abs injection molded housing
- Control module can be mounted on the reel (option) or place on the ground – the handle tilts the module for easy viewing
- 8 inch (200 mm) TFT LCD display – recessed for easy viewing in strong sunlight
- MPEG4 recording (60 GB internal hard drive give you up to 45 hours of recording) & play back
- Full function keyboard & enlarged titler storage capacity (16 pages)
- Waterproof silicon rubber keyboard
- USB interface to transfer video/audio to a computer
- Video out & video in functions (for adding on site video & audio)
- Can be powered by mains, internal rechargeable batteries, or 12 vDC external, power (Car)



D46/SL

D38/STD

D33/SL

D33/STD

Cameras

The vCam system offers four color CCD plug in cameras, all are housed in stainless steel rugged housings & use ultra bright LED's for lighting

- Standard camera - D38/STD **1.5 inches (38 mm)** diameter for use with 12 mm pushrod cable
- Self leveling camera – D46/SL **1.8 inches (46 mm)** diameter for use with 12 mm pushrod cable
- Standard camera – D33/STD **1.3 inches (33 mm)** diameter for use with 10 mm pushrod cable
- Self leveling camera – D33/STD **1.3 inches (33 mm)** diameter for use with 10 mm pushrod cable

Reel

- The vCamDigital & vCam view has three reels options for maximum flexibility
- The CART (Type-C) – this is a wheel round unit with suspension suitable for bumping up and down curbs and steps – all stainless steel construction. The control module can be mounted (optional) on this reel for easy viewing
- The Mini reel (Type-M) – this is a hand carried unit – smaller in construction and best suited to the smaller size (10 mm) pushrod cable – again all stainless steel.
- The large reel (Type-P) – A large roll round wheel suited to 400 ft (120 m) pushrod cable - this is powder-coat painted steel construction
- Transmitting sonde – 512 Hz / 640 Hz for cast iron pipe, & 33 kHz for deeper locates (In non metallic pipe)



Type-M

Type-C

Type-P