Proteus™

Functionality At Your Fingertips

Use the Proteus Digital Control Unit to view, record and annotate inspection footage from any composite video source.

Review footage. Record MPEG video and JPEG images, and zoom up to 3X on video.

Enter Observations. Use optional data-entry module to log inspection findings.

Review Footage. Organise videos and images in folders, then find them using the thumbnail gallery. Review media using standard controls.

Generate Reports. Use optional reporting module to create an inspection report, then transfer it to USB media for on-site delivery.

Offload Data. Copy video, images and data to USB or SDHC media for easy transfer to PC and seamless integration with WinCan's reporting and querying capabilities.

Write Screen Text. Type and store up to 16 pages of onscreen text. Customise text colour, position and background colour.

Control Hardware. Set sonde frequency, adjust illumination, and meterage.

Configure Preferences. Set language and date/time; establish file formats and naming conventions; adjust camera parameters; choose interface theme and power-saving scheme; update firmware.

Technical Details

Crawler

Dimensions	(L x W x H) 320 x 120 x 100mm
Pipe Diameter	150 - 600mm (5.9 to 23.6")
Weight	9.25 kg (20.3lb)
Pressure Rating	1 bar (14.50psi)

Camera

CAM027 Axial

Dimensions	52mm x 52mm (OD)
Weight	0.25 kg (0.55lb)
Standard	PAL
Pressure Rating	1 bar (14.50psi)

CAM028 Pan & Rotate

Dimensions	120mm x 73mm (OD)
Weight	0.85 kg (1.87lb)
Standard	PAL
Pressure Rating	1 bar (14.50psi)

Cable Reel

Dimensions	(L x W x H) 530 x 280 x 520mm
Weight	24 kg (52.9lb)
Cable Length	150m or 200m (492ft or 656ft)
Environmental	Splash Proof

Control Panel

Dimensions	(L x W x H) 430 x 280 x 150mm
Operating System	Linux
Screen	XGA (1024x768) Daylight viewable
Interfaces	Ethernet, RS232, USB2.0
Internal Storage	Internal solid state
External Storage	2 x USB 2.0 / SDHC
Weight	5.5 kg (12.12lb)
File Format	MPEG-4 / JPEG stills
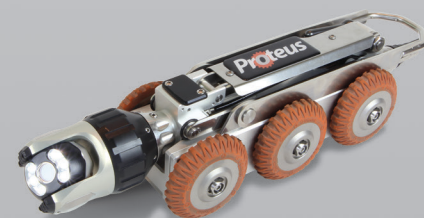
System Components

- digital control unit
- manual cable reel
- 150mm crawler
- pan and rotate camera
- axial camera

Optional Accessories

- auxiliary light / backeye
- ProLaser
- WinCanV8 software
- ProPIPE software
- multi frequency sonde transmitter
- 30metre link cable
- compatible push camera

Proteus sets the benchmark for quality, reliable and affordable crawler inspections

Mini·Cam Ltd.

www.minicam.co.uk

tel +44 1942 270524 • fax +44 1942 273735

Unit 4 Yew Tree Way
Stonecross Park
Golborne
Warrington
WA3 3FN
United Kingdom

Mini·Cam Ltd.

InPipe Innovation

PROT31013

A FUTURE PROOF AND EXPANDABLE SYSTEM

Designed and developed in-house, Mini-Cam's Proteus crawler is an entry-level modular system for the pipeline inspection market. A robust, lightweight and extremely powerful 6 wheel drive, steerable crawler, Proteus offers everything needed for professional pipeline inspection.

Proteus features CAN bus technology, allowing communication directly between each piece of attached equipment, and can relay control and status information such as activity, speed, pressure, inclination and temperature.

Proteus™

Quick Connect

Optional Camera Heads and Auxiliary Light

Both cameras have extremely powerful LED lights. Choose from our axial camera or the pan and rotate with full 360° rotation. The auxiliary light features a colour rear view camera to aid crawler reversing.

Axial Camera

Auxiliary Light / Backeye

HIGHLY PORTABLE LIGHTWEIGHT EXTREMELY POWERFUL

360° Pan & Rotate

Digital Control Unit

The Proteus CCU has numerous features that would normally only be found on more expensive systems, these include:

- Twin Joysticks
- Crawler Cruise Control
- MPEG-4 Recording
- JPEG Still Image Capture
- Intuitive Hot Keys
- Twin USB

WinCan V8 SOLO

ProPIPE REPORT

HI-SPEED CERTIFIED USB

SD

Reporting Software

Proteus can be equipped with ProPipe or WinCan V8 reporting software, saving time and money and increasing productivity. Various system configurations can be adopted to suit individual requirements, making Proteus a truly modular and affordable system.

Manual Elevator

The built-in elevator device allows for quick and easy centring of the camera in pipe sizes up to 600mm.

Cable Reel

Our manual cable reel can hold up to 200 metres of cable, allowing for longer inspection distances from a single set-up.

Quick-Change Wheel Lock

Designed and developed exclusively by Mini-Cam, our patent pending wheel lock device makes changing wheels quick and easy.

Optional Large Wheels

4 different size wheel options allow the crawler to be centred in pipe sizes from 150mm to 600mm.

Heavy Duty Connector

The robust and extremely rugged heavy duty connector features our patent pending lock system which requires no tools to connect and dis-connect.

Built-in Lowering Device

For fast and easy deployment and retrieval.