Proteus™
PIPELINE CRAWLER INSPECTION SYSTEM

MinCam
InPipe Innovation
With our experience of innovative solutions for the pipeline Inspection industry extending back over 20 years, we have created our most advanced, most capable, most feature-rich system. Proteus™ has been designed to meet your needs in the real world: a system which is highly affordable, reliable, and fully supported by experienced engineers and our “How To” video built-in support. The Proteus system is highly expandable and - most importantly - future proof.

All Proteus crawlers feature 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.

The Proteus range includes a Lite system (page 15), which brings together the well proven performance and reliability of the Proteus family, in a value for money, entry level system. Proteus Lite is the ideal starter kit for a one-man operation, integration into a small inspection van, or a low-cost option for larger companies to use for off-road, remote locations.

Designed and developed in-house, Mini-Cam’s Proteus crawlers are now one of the industry’s leading systems in daily use, both in the UK and in over 35 countries worldwide. The systems can be installed as part of our Custom Van-Fit service, or be fully portable with the Proteus Portable Storage Trolley (page 41) and the Proteus Power Battery Pack (page 37), giving up to five hours inspection time in a highly compact solution.

www.minicam.co.uk
PIPE DIAMETERS
FROM 100mm TO 2200mm

MINIATURE TO MASSIVE
PROTEUS HANDLES THEM ALL!

With five crawlers, six cameras, two compatible coilers and over twenty accessories, the Proteus system can be configured to perfectly meet your requirements. As your business grows simply add more components from the Proteus range to your kit, enabling you to significantly increase your inspection capabilities for larger diameter pipes and tricky, challenging environments. No matter what the pipe diameter, Proteus crawlers are rugged, agile and rapidly responsive to your commands.

The example shown here demonstrates the scope of the Proteus system. The compact size of our smallest CRP90 crawler allows it to easily survey relined 100mm pipes, while the CRP300 crawler, the largest in the range, with the optional CEP300 Camera Elevation Platform, centres the camera in an impressive 2200mm pipe diameter. For mid-size inspections, there are countless configurations possible with our CRP150, CPL150 and CRP140 Crawlers (page 12) - which one will you drive?

START PLANNING YOUR PROTEUS SYSTEM
CHECK OUT THE CONFIGURATION CHART ON PAGE 06

CRP90 Crawler with CAM028 Pan, Rotate & Zoom, ALN300 Auxiliary Lights, ALB300 Auxiliary Light/Backeye, CEP300 Camera Elevation Platform and ORW250 Balloon Wheels in a 2200mm diameter pipe.

CRP300 Crawler with CAM028 Pan, Rotate & Zoom, ALN300 Auxiliary Lights, ALB300 Auxiliary Light/Backeye, CEP300 Camera Elevation Platform and ORW250 Balloon Wheels in a 2200mm diameter pipe.

CRP90 Crawler with CAM028 Pan & Rotate Camera. Elevator Down, inside a 100mm diameter relined pipe.
PROTEUS FAMILY

IN-BUILT INNOVATION

KEY FEATURES OF PROTEUS CRAWLERS

STANDARD FEATURES, OPTIONS & MODEL COMPARISONS ON NEXT PAGE

Quick Change Wheel Lock
In-built Inclination Sensor
Articulated Knuckle Connector
Heavy Duty Rear Connector

Soft Rubber Wheels
1 bar Pressure Tight
Auxiliary Light or Backeye Mounting
Heavy Duty Camera Connector

In-built Inclination Sensor
Articulated Knuckle Connector
Heavy Duty Rear Connector

IN-BUILT INNOVATION

Quick Change Wheel Lock
In-built Inclination Sensor
Articulated Knuckle Connector
Heavy Duty Rear Connector

Soft Rubber Wheels
1 bar Pressure Tight
Auxiliary Light or Backeye Mounting
Heavy Duty Camera Connector

CRAWLER FEATURES

CRP140 Crawler, CAM028 Pan, Rotate & Zoom, ALN300 Auxiliary Light
CRP150 Crawler, CAM026 Pan & Rotate, ALB300 Auxiliary Light/Backeye
CRP300 Crawler, CAM028 Pan, Rotate & Zoom, Dual ALN300 Auxiliary Lights
CRP90 Crawler, CAM027 Axial
CPL150 Crawler, CAM027 Axial
CRP300
Engineered to perform reliably in challenging conditions

Designed for larger pipe diameters with high flow rates, this heavy duty crawler makes easy work of inspections in more difficult environments.

ALL STANDARD FEATURES INCLUDED

PLUS
• 6 x QRWX140SR 140mm Rubber Wheels
• Motorised Elevator - Range 135-398mm
• Heavy Duty Rear Connector
• Wide Axle Balloon Wheels (page 34)

OPTIONAL
• Carbide Wheels (page 34)
• High Grip Wheel (page 34)

Technical Specifications

<table>
<thead>
<tr>
<th>Product Code</th>
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<tr>
<td>Pipe Sizes</td>
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<td>Weight</td>
<td>32.0kg</td>
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CRP150
Highly flexible, modular mid-size crawler

For pipes from 150mm up to 600mm. With the optional PCC01 Crawler Cradle it can even be used in pipes up to 1000mm diameter.

ALL STANDARD FEATURES INCLUDED

PLUS
• 6 x QRWX90SR 90mm Rubber Wheels
• Motorised Elevator - Range 70-257mm
• Heavy Duty Rear Connector
• Carbide Wheels (page 34)
• High Grip Wheel (page 34)

OPTIONAL
• Carbide Wheels (page 34)
• High Grip Wheel (page 34)

Technical Specifications

<table>
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<tr>
<td>Pipe Sizes</td>
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<td>Weight</td>
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CPL150
Entry level, mid-size crawler with manual elevator

The perfect companion to the RMPI250 Reel (page 15). CPL150 has the same professional grade quality, reliability and accuracy as our mainline Proteus crawlers.

ALL STANDARD FEATURES INCLUDED

PLUS
• 6 x QRWX90SR 90mm Rubber Wheels
• Manual Elevator - Range 60-112mm
• Heavy Duty Rear Connector
• Carbide Wheels (page 34)
• High Grip Wheel (page 34)

OPTIONAL
• Carbide Wheels (page 34)
• High Grip Wheel (page 34)

Technical Specifications

<table>
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<td>Weight</td>
<td>9kg</td>
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CRP140
Sophisticated mid-size crawler modelled on the CRP150

For pipes from 140mm (even in a relined pipe) up to 600mm, with the optional PCC01 Crawler Cradle it can even be used in pipes up to 1000mm diameter.

ALL STANDARD FEATURES INCLUDED

PLUS
• 6 x QRWX90SR 90mm Rubber Wheels
• Motorised Elevator - Range 54-205mm
• Articulated ‘Knuckle’ Connector
• Carbide Wheels (page 34)
• High Grip Wheel (page 34)

OPTIONAL
• Carbide Wheels (page 34)
• High Grip Wheel (page 34)

Technical Specifications

<table>
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<tr>
<td>Weight</td>
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CRP90
Massive capabilities Skilfully miniaturised

CRP90’s compact size allows it to easily survey relined 100mm pipes. The motorised elevator enables the camera to be centred in pipes of up to 225mm diameter.

ALL STANDARD FEATURES INCLUDED

PLUS
• 6 x QRWX60SR 60mm Rubber Wheels
• Motorised Elevator - Range 40-77mm
• Articulated ‘Knuckle’ Connector

OPTIONAL
• Carbide Wheels (page 34)
• High Grip Wheel (page 34)

Technical Specifications

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<td>Weight</td>
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STANDARD FEATURES

- Compatible with CAM026 Pan & Rotate
- CAM026L Pan, Rotate & Laser
- CAM027 Axial
- CAM028 Pan, Rotate & Zoom
- ALN300 Auxiliary Light
- ALB300 Auxiliary Light / Backeye
- Continuous monitoring of speed, internal pressure, inclination and temperature
- Dual Axial Inclination Sensor*
- Single Auxiliary Light / Backeye Mounting
- Multi-Frequency Sonde**
- 33kHz / 512Hz / 640Hz
- Steerable High Torque All-Wheel Drive
- Robust Housing
- 1 bar Pressure Tight
- Quick Change Wheel Lock
- In-Built Lowering Arm
- Heavy Duty Camera Connector
- Protective Connector Caps Front and Rear
- Lowering Rope
- Protective Carry Case*
- Tools

*Except CRP300   **Optional on CPL150

ALL CRAWLERS ARE AVAILABLE IN ATEX ZONE 2 APPROVED VERSIONS - See page 32

STANDARD FEATURES

- Continuous monitoring of speed, internal pressure, inclination and temperature
- Dual Axial Inclination Sensor**
- Single Auxiliary Light / Backeye Mounting
- Multi-Frequency Sonde**
- 33kHz / 512Hz / 640Hz
- Steerable High Torque All-Wheel Drive
- Robust Housing
- 1 bar Pressure Tight
- Quick Change Wheel Lock
- In-Built Lowering Arm
- Heavy Duty Camera Connector
- Protective Connector Caps Front and Rear
- Lowering Rope
- Protective Carry Case*
- Tools

*Except CRP300   **Optional on CPL150

ALL CRAWLERS ARE AVAILABLE IN ATEX ZONE 2 APPROVED VERSIONS - See page 32
Mini-Cam’s Proteus Lite brings together, the well proven performance and reliability of the Proteus family, in a value for money, entry level system.

Designed and developed in-house, Proteus Lite is the ideal starter kit for a one-man operation, integration into a small inspection van, or a low-cost option for larger companies to use for off-road, remote locations. Proteus Lite provides all the resources required to undertake efficient, easy to perform inspections, and with ProPIPE+, WinCan Embedded and WinCan Web software as standard, you can deliver accurate, detailed reports, instantly on-site.

Future proof and totally modular, when your business budget allows, simply upgrade your Proteus Lite with a larger or smaller crawler, extra cameras and auxiliary lights, or one of the many other Proteus compatible accessories available.
MUCH MORE THAN MEETS THE EYE.

Feature rich, Mini-Cam’s CCU208 Control Unit has twin integral joysticks for camera control and crawler manoeuvrability, and an ergonomic soft-touch keypad. User friendly multi-function hot keys control an intuitive on-screen display, to enable quick and accurate navigation of the numerous features which all come as standard on the brain of the Proteus system. 

Functionality at your fingertips.
Easily and quickly configure the Proteus CCU to your specific requirements using the various menu options. Set language, date and time; establish file formats and naming conventions; adjust camera parameters; choose interface theme, enable power saving options and update firmware.

**FUNCTIONALITY AT YOUR FINGERTIPS**

Use the Proteus control unit to view, record and annotate inspection footage from any composite video source.

**Setup & Configure Preferences**

Easily and quickly configure the Proteus CCU to your specific requirements using the various menu options. Set language, date and time; establish file formats and naming conventions; adjust camera parameters; choose interface theme, enable power saving options and update firmware.

**Capture Footage**

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

**Joystick Controls**

The left hand joystick controls crawler manoeuvrability. Movement of the Pan & Rotate camera is smooth and effortless using the right hand joystick control. Perform a 360° endless rotation and pan the camera +/- 135°.

**Surveys Features**

Access embedded reporting software to create detailed on-site reports.

**Capture Footage**

Generate Reports

Use ProPipe+ Reporting software to create a detailed inspection report with a pipe graph to pinpoint defects.

**Joystick Controls**

Sonde Settings

Set the frequency of the sonde transmitter to 33kHz, 512Hz or 640Hz.

**View Footage**

Review Footage

Organize videos and images into folders, then find them using the thumbnail gallery. Review media using standard controls.

**Screens Intensity**

The brightness, colour and backlight intensity of the internal display can be adjusted to suit the environment in which the system is being used.

**Hot Keys**

User friendly, multi-function hot keys control an intuitive on-screen display of the numerous features.

**Illumination**

Increase or decrease the intensity of the ultra-bright camera LEDs.

**Setup & Configure Preferences**

Easily and quickly configure the Proteus CCU to your specific requirements using the various menu options. Set language, date and time; establish file formats and naming conventions; adjust camera parameters; choose interface theme, enable power saving options and update firmware.

**Control Meterage**

Accurately set the meterage zero offset using the meterage key.

**Sonde Settings**

Set the frequency of the sonde transmitter to 33kHz, 512Hz or 640Hz.

**Survey Features**

Access embedded reporting software to create detailed on-site reports.

**Set the frequency of the sonde transmitter to 33kHz, 512Hz or 640Hz.**

**Record MPEG video and JPEG images, and zoom up to 3X on video playback.**

**The left hand joystick controls crawler manoeuvrability. Movement of the Pan & Rotate camera is smooth and effortless using the right hand joystick control. Perform a 360° endless rotation and pan the camera +/- 135°.**

**The brightness, colour and backlight intensity of the internal display can be adjusted to suit the environment in which the system is being used.**

**The Proteus CCU includes internal batteries so that it can be used autonomously to view inspection reports and video.**

**Use ProPipe+ Reporting software to create a detailed inspection report with a pipe graph to pinpoint defects.**

**Generate Reports**

Use ProPipe+ Reporting software to create a detailed inspection report with a pipe graph to pinpoint defects.

**Illumination**

Increase or decrease the intensity of the ultra-bright camera LEDs.

**Setup & Configure Preferences**

Easily and quickly configure the Proteus CCU to your specific requirements using the various menu options. Set language, date and time; establish file formats and naming conventions; adjust camera parameters; choose interface theme, enable power saving options and update firmware.

**Internal Batteries**

The Proteus CCU includes internal batteries so that it can be used autonomously to view inspection reports and video.

**Record MPEG video and JPEG images, and zoom up to 3X on video playback.**

**Capture Footage**

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

**View Footage**

Review Footage

Organize videos and images into folders, then find them using the thumbnail gallery. Review media using standard controls.

**Offload Data**

Copy reports, video and images to USB or SDHC media for easy transfer to PC and seamless integration with WinCan reporting and querying capabilities.
PROREPORTING SOFTWARE

ProPIPE+ reporting software, developed by our in-house team of software engineers, enables accurate inspection of sewers with easy post-processing of inspection data. The newly released version generates PDF files and allows users to create professionally presented, detailed reports with illustrated pipe graphs and screen shots, and also features a file sharing feature (see opposite).

Uncomplicated and efficient, ProPIPE+, WinCan Embedded and WinCan Web software is pre-installed as standard on the Proteus control system, giving the ability to create comprehensive inspection reports on site and instantly share them with colleagues and customers. This gets the results to the client faster, making your business ultra efficient, reducing your administration costs and eliminating those long hours in the office.

Mini-Cam’s Proteus control unit is WiFi enabled to allow remote access to stored images and data. Users can simply drag and drop files from control unit to PC, or upload to the Cloud directly on-site. ProPIPE+ doesn’t require any additional software to view reports on a PC, simply open the file in Microsoft® Word.

ProPIPE+ and WinCan Embedded software comes pre-installed as standard on Proteus systems.

DATABASE CAPABILITIES
DATABASE CAPABILITIES

WinCan Reports to WinCan Web for secure, immediate, team-wide access online. All that is required to start sharing with colleagues and customers is a 3G or 4G Wi-Fi connection. Users can create the hot-spot using their smartphone.
Highest quality components are used in our camera designs, and our skilled technicians assemble and rigorously test the cameras at our UK production facility. Built for longevity, the cameras are rugged, with robust and precise connectors, and are engineered to perform with excellent optical qualities.
CAM025 AXIAL CAMERA

A Mini-Cam best seller, the CAM025 Self-Levelling Axial camera performs reliably in daily use. The stainless steel housing with flexible spring and heavy duty connector features four high powered, ultra-bright LED lights and a hard wearing, scratch resistant sapphire glass to protect the camera lens.

CAM026 PAN & ROTATE CAMERA

Mini-Cam’s CAM026 Pan & Rotate camera features continuous 360° rotation and +/-135°Pan. Our signature dual clusters of three high powered ultra-bright LED lights provide optimum illumination for better clarity of images, and hard wearing, scratch resistant sapphire glass protects the camera lens.

CAM028 PAN, ROTATE & ZOOM CAMERA

Designed and manufactured to our enviable standards, the big-brother to our smaller CAM026 Pan and Rotate this larger, rugged built camera features our signature dual clusters of three powerful, ultra-bright LEDs for maximum illumination, and dual lasers for diameter and defect measurement. Shudder-free horizontal and vertical viewing is smooth and easy with the full 360° pan and rotate function, and our unique quick install connector makes getting ready for pipeline inspection as easy as twist-and-lock.
Built to the same exacting standards as our manual cable reels, these labour saving motorised reels are sturdy, rugged and built to perform reliably efficient pipeline inspections.

Mini-Cam motorised cable reels are designed for easy one-person operation in remote locations. The reels are fitted with high tensile strength Kevlar reinforced inspection cable. The ultra-smooth operation is provided by the powerful three phase motor and cable layering mechanism for uninterrupted, tangle free pay-out and re-winding. A rigid, clear safety screen prevents contact with the cable whilst coiling.

The reel is operated using the dedicated keys and intuitive on-screen display on the Proteus CCU.

In the event of an emergency, the reel also features an emergency stop button. The specialised crawler connector provides a waterproof seal and there’s a removable drip tray for easy cleaning and maintenance.

Two optional hand-held Bluetooth® controllers are available to remotely control paying-out and rewinding cable, and crawler movement. Choose from the 4 button or Joystick version.

Motorised reels are available in 2 sizes – Large 300m and Small 200m. The 200m reel has secure fixing points for fitting to our PTP01 Portable Storage Trolley (see page 41). Both reels are ideal for being installed in our SurveyPro CCTV Van Fit.

For more information on Mini-Cam Custom Van-fits visit minicam.co.uk/custom-van-fits

### Technical Specifications

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<td>Cable Length</td>
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<td>300metres</td>
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<tr>
<td>Dimensions LxWxH mm</td>
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<td>Weight</td>
<td>32.5kg</td>
<td>42.5kg</td>
</tr>
<tr>
<td>Power Supply</td>
<td>24v</td>
<td>24v</td>
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<tr>
<td>Environmental Protection</td>
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<tr>
<td>Optional Remote Controller</td>
<td>RJP/RCP4</td>
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Sturdy, rugged and built to withstand harsh environments. Mini-Cam manual cable reels are compact, portable and easy to use. The robust powder coated frame houses high tensile strength Kevlar reinforced inspection cable.

Smooth pay-out and re-winding is performance enhanced by the cable layering mechanism and durable heavy duty turning handle. The specialised crawler connector provides a water-proof seal and there’s a removable drip tray for easy cleaning and maintenance.

The reels are available in 3 sizes: small 100m, mid-size 200m and large 300m reels. The small and mid-size reels can be fitted to our Portable PTP01 Storage Trolley (shown right) and on page 41, and the large reel is ideal for being installed as part of our SurveyPro CCTV Van. For more information on Mini-Cam Custom Van-fits visit minicam.co.uk/custom-van-fits

Cable available in ATEX ZONE 2 Approved

<table>
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**Technical Specifications**

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**COMPATIBLE COILER**

Push rod coiler CCP60R with removable CAM025 Self Levelling Axial camera head, designed to plug directly into the Proteus CCU. Also available as CCP60D (Duo) allowing a CAM026 Pan & Rotate camera to be attached. Robust construction with mobility wheels and a durable powder coated finish.

Centering skids optimize your view in pipes 75mm and larger. The CCP coiler comes complete with a set of three skids and a removal tool.

**Roller Skids**

Optimize your view

Roller skids expand the Compatible Coiler for use in 150mm to 450mm pipelines. The three pivoting arms with specially shaped nylon wheels adjust to fit the required pipe diameter, keeping the camera head centred in the pipeline at all times, allowing it to negotiate multiple corners and bends. Manufactured from stainless steel and ABS plastic, the device is sturdy, rugged and corrosion resistant to withstand the punishment of daily field work. No tools or manual adjustments are required.

**Centering Skids**

Supplied with CCP60/100

- **A** 4inch Skid
- **B** 6inch Skid
- **C** Protection Skid
- **D** Skid Removal Tool

**Technical Specifications**

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<td>ASS-002-009</td>
<td>A 180mm Skid for CAM025</td>
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<td>ASS-001-955</td>
<td>B 180mm Skid for CAM026</td>
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<td>ASS-002-160</td>
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<tr>
<td>ASS-002-008</td>
<td>D 130mm Skid for CAM025</td>
<td>130mm</td>
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**Lateral Pin Kit**

Smooth inspection of incoming laterals

For use with the CAM026 Pan & Rotate camera when attached to the CCP60/100 Compatible Coiler. Simply attach the pin to allow the inspection of incoming lateral pipes. The pin adjusts the direction, and guides the camera smoothly along the pipe. The kit comes with three sizes of pin: small 150mm, medium 225mm and large 300mm. Fixings and instruction included.

**Compatible Coiler Accessory**

- **A** Compatible Coiler with CAM026 Pan & Rotate
- **B** Compatible Coiler with CAM025 Axial Camera
Proteus® ATEX crawlers have been engineered, built and tested for safe use in some of the most dangerous situations, without compromising on any of the features and benefits of our other Proteus crawlers. All our crawlers are available in ATEX approved versions which make working in ZONE 2 and other explosion-risk environments much easier and safer than alternative methods, giving you a clear, sharp eye into the unknown, without introducing risk through use of electronic devices.

ATEX crawlers have all the features, functionality and agility of the standard versions, and offer the same professional-grade quality, reliability and accuracy our customers expect from the Proteus brand.

The Proteus ATEX crawlers feature as standard: built-in height adjustment, multi-frequency SONDE, lowering device, and variable wheel size options using our unique quick-release locking system.
CRAWLER WHEELS

Our specially designed wheels offer significant performance benefits in various pipe diameters and for specific operating conditions.

**SOFT BLACK RUBBER**
Black, soft rubber tyres developed to provide improved traction in regular pipes.
Available in four sizes and Wide Axle

**CARBIDE**
Fragmented copper particles fused to an heavy duty stainless steel body.
Available in four sizes and Wide Axle

**HIGH GRIP**
Hard wearing carborundum manufactured with a deep bevel profile to provide improved traction in wet and greasy pipes.
Available in three sizes and Wide Axle

**PNEUMATIC BALLOON**
Heavy duty, 250mm wide tyres designed to improve performance on our large Proteus CRP300 crawler. Optional for Crawler Cradle PCC01.
Available in one size and Wide Axle

**QUICK RELEASE LOCK**
Proteus crawlers feature Mini-Cam’s unique, patented wheel lock device. This makes it easy to change the crawler wheel type to suit the size and condition of the pipe. Using the supplied 4mm Hex T-Bar driver, the operation is quick and simple with no other tools required.

View the Changing Wheels “HOW-TO” video at MinicamTubeUK

**WIDE AXLE WHEELS**
Extend the capability of your crawler. Quick and easy to attach, wide axle wheels provide instant extra width for inspections in wider pipe diameters.
Wide axle wheels are available in Soft Black Rubber, Carbide and High Grip

**Wheel Type** | **To fit CRP90** | **To fit CRP250/CPL150** | **To fit CRP300** | **Recommended Pipe Diameter**
--- | --- | --- | --- | ---
60mm Wheel | QRW60SR/90 | - | - | 100mm
90mm Wheel | QRW90SR/90 | - | - | 150mm
90mm Extra Large Wheel | QRW90SR/150 | - | - | 200mm
115mm Wheel | QRW115SR/150 | - | - | 250mm to 300mm
140mm Wheel | QRW140SR/150 | QRW140SR/300 | - | 300 to 450mm (150) 350 to 600mm (300)
140mm Extra Large Wheel | QRW140SR/150 | - | - | 450mm to 600mm

**Soft Black Rubber Wheels**
- 60mm Wheel: QRW60SR/90
- 90mm Wheel: QRW90SR/90, QRW90SR/150
- 115mm Wheel: QRW115SR/150
- 140mm Wheel: QRW140SR/150, QRW140SR/300

**Carbide Wheels**
- 60mm Wheel: QRW60CB/90
- 90mm Wheel: QRW90CB/90, QRW90CB/150
- 115mm Wheel: QRW115CB/150
- 140mm Wheel: QRW140CB/150, QRW140CB/300

**High Grip Wheels**
- 90mm Wheel: QRW90HG/90, QRW90HG/150
- 115mm Wheel: QRW115HG/150
- 140mm Wheel: QRW140HG/150

**Pneumatic Balloon Wheels**
- 250mm Wheel: QRW250
- 250mm Extra Large Wheel: QRW250XL

**Recommended Pipe Diameter**
- 100mm
- 150mm to 200mm
- 200mm to 300mm
- 250mm to 300mm
- 300mm to 450mm
- 350mm to 600mm
- 450mm to 600mm
- 500mm to 1000mm
Technical Specifications

**Product Code:** FRP01

Dimensions LxWxH: 680 x 420 x 200mm

Weight: 5.8kg

**IP Rating:** IP68

**FLOATATION RAFT**

Pipe inspection in flowing water just got easier!

Eliminate the need for man-entry. The raft features three powerful angled auxiliary LED ultra-bright light modules, to illuminate pipes in excess of 2000mm. Small enough to be lowered down most common sizes of manhole cover, the compact design allows inspection capabilities in pipes from 600mm. An in-built lowering loop makes for quick and easy deployment and retrieval, and the floatation plate ensures the device is perfectly balanced to eliminate rolling.

**Technical Specifications**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Product Code</th>
<th>Dimensions LxWxH</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRP01</td>
<td>FRP01</td>
<td>680 x 420 x 200mm</td>
<td>5.8kg</td>
</tr>
</tbody>
</table>

**PROTEUS POWER BATTERY PACK**

Portable power... where will it take you?

No need to rely on vehicle or mains power. Mini-Cam’s unique Proteus Power Battery Pack enables pipeline inspections in the most remote locations with in excess of 5 hours inspection time*. The rugged pack is quick and easy to connect and features output short circuit protection and LED charge status indication. The battery is charged using the standard Proteus power supply unit.

**Technical Specifications**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Product Code</th>
<th>Dimensions L x W x H</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>BPP24</td>
<td>BPP24</td>
<td>280 x 130 x 120mm</td>
<td>4kg</td>
</tr>
</tbody>
</table>

**CCU TILTING TABLE**

Customise the CCU position to suit the needs of the user

Quick and easy to attach, the Tilting Table allows adjustment of the control unit position, to give the user optimal screen viewing and keyboard positions. The table can be tilted 35° forwards and 75° backwards, with a full unobstructed 360° horizontal rotation. No tools are required, simply attach using the adjustable clamps.

**Technical Specifications**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Product Code</th>
<th>Dimensions L x W x H</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>TTC01</td>
<td>TTC01</td>
<td>350 x 300 x 270mm</td>
<td>3kg</td>
</tr>
</tbody>
</table>

*Additional software may be required

**SIMPLY PLUG & PLAY***

WITH AN EXISTING PROTEUS SYSTEM

*Additional software may be required

**OPTIONAL EASY ACCESS CARRY CASE**

Dangerous goods shipping conformity required - please contact us for details

View on our YouTube Channel: MinicamTubeUK

Please Note: Charging unit shown above for illustration only, not included with Proteus Power Pack. Charging unit purchased separately.

*Battery life dependent on operating conditions.

View on our YouTube Channel: MinicamTubeUK

*Additional software may be required

**Hardware conformity required - please contact us for details
**CABLE GUIDE PULLEY**

For smooth guiding of inspection cable during survey

Reduces wear by preventing kinks and chafing, and assists in the smooth guiding of inspection cable during your survey. Comes complete with 12 metres of rope and features a quick release mechanism to aid feeding the cable through the rollers.

### Technical Specifications

<table>
<thead>
<tr>
<th>Product Code</th>
<th>CGP01</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions LxWxH</td>
<td>485 x 75 x 105mm</td>
</tr>
<tr>
<td>Rope Length</td>
<td>12metres</td>
</tr>
<tr>
<td>Weight [inc rope]</td>
<td>2.8kg</td>
</tr>
</tbody>
</table>

**MANHOLE TOP ROLLER**

For smooth guiding of inspection cable during survey

Reduces wear by preventing kinks and chafing, and assists in the smooth guiding of inspection cable during your survey. Fully adjustable to fit most manhole sizes.

### Technical Specifications

<table>
<thead>
<tr>
<th>Product Code</th>
<th>TRP01</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions LxWxH</td>
<td>650 x 290 x 140mm</td>
</tr>
<tr>
<td>Weight</td>
<td>4.45kg</td>
</tr>
</tbody>
</table>

**CRAWLER CRADLE**

Improved inspection capabilities

The Crawler Cradle adapts Mini-Cam’s CRP150, CPL150, and CRP140 crawlers for use in large diameter pipes. Versatile, quick and easy to attach, the cradle provides extra ground clearance enabling improved inspection capabilities in pipes and culverts up to 1000mm in diameter.

This robust, steerable, 4-wheel drive cradle is driven by the crawler, and features a unique gear selector, enabling the user to change between high speed and high torque operation. Exclusively compatible with Proteus CRP150, CPL150, and CRP140 crawlers, PCC01 comes supplied with four 220mm balloon wheels.

### Technical Specifications

<table>
<thead>
<tr>
<th>Product Code</th>
<th>PCC01</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compatibility</td>
<td>CRP150 / CPL150 / CRP140</td>
</tr>
<tr>
<td>Dimensions LxWxH</td>
<td>410 x 265 x 220mm</td>
</tr>
<tr>
<td>Weight</td>
<td>7.6kg</td>
</tr>
<tr>
<td>Fixings</td>
<td>2 Axle Adaptors &amp; Bolts</td>
</tr>
</tbody>
</table>

For heavily silted pipes we recommend the optional 250mm Balloon Wheel (QRW250/150), which are also required to centralise the crawler in 1000mm diameter pipes.
**CRAWLER CAMERA EXTENDER**

Extends the camera position 100mm forwards

The Crawler Camera Extender moves the camera position 100mm forwards, extending the camera beyond the crawler. When the camera is positioned 90° downwards, this provides a view of the invert of pipeline, and not the crawler.

---

**EXTRA WEIGHT PLATE**

Extra downforce and traction for the crawler

Exclusively compatible with Proteus CRP150, CPL 150 and CRP140 crawlers, the 2.5kg Extra Weight Plate gives the crawler extra downforce to allow for more traction in tricky pipe conditions. Quick to attach, the assembly is supplied with fixing bolts and washers.

---

**PORTABLE STORAGE TROLLEY**

Complete mobility for your Proteus system

Eliminate health hazardous lifting, and time consuming carrying to your remote work site. Engineered to allow for the mobile operation of your Proteus Inspection System in difficult to reach areas, such as inside buildings, or other situations a distance away from your vehicle. The trolley securely holds everything you need to efficiently undertake your pipeline inspection. Simply wheel the unit to your location, connect a camera and crawler and you’re up and running in minutes. With the added convenience of Mini-Cam’s unique Proteus Power Pack (see page 37), there’s no need to rely on generator or mains power. The power pack enables pipeline inspection in the most remote locations with up to 5 hours’ inspection time.

---

**Technical Specifications**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Dimensions LxWxH</th>
<th>Weight (inc rope)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCE01</td>
<td>115 x 50 x 50mm</td>
<td>302g</td>
</tr>
</tbody>
</table>

**Technical Specifications**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Dimensions LxWxH</th>
<th>Weight (inc rope)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EWP01</td>
<td>264 x 80 x 14mm</td>
<td>3.05kg</td>
</tr>
</tbody>
</table>

**Technical Specifications**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Dimensions WxHxD</th>
<th>Weight (unladen)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTPO1</td>
<td>650 x 1150 x 750mm</td>
<td>9.75kg</td>
</tr>
</tbody>
</table>

---

**IMPROVED VIEW OF THE PIPE INVERT**

Available for manual & motorised reels

Please Note: Equipment shown on trolley not included with PTPO1

*Battery life dependent on operating conditions.*
BRICK EGG STABILIZER

Eliminates rolling over of the crawler

A simple quick fit to our Proteus Crawler, the Brick Egg Stabilizer stops the crawler from rolling over during inspections in pipes with an egg-shaped profile. Exclusively compatible with Mini-Cam’s Proteus CRP300, CRP150, CPL150 and CRP140 crawlers.

Compatibility:
BEP300 fits Proteus CRP300
BEP150/140 fits Proteus CRP150, CPL150 and CRP140

Technical Specifications

<table>
<thead>
<tr>
<th>Product Code</th>
<th>BEP300</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compatibility</td>
<td>CRP300</td>
</tr>
<tr>
<td>Dimensions</td>
<td>L x W x H</td>
</tr>
<tr>
<td></td>
<td>450 x 190 x 220mm</td>
</tr>
<tr>
<td>Weight</td>
<td>2.95kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product Code</th>
<th>BEP150/140</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compatibility</td>
<td>CRP150/CPL150/CRP140</td>
</tr>
<tr>
<td>Dimensions</td>
<td>L x W x H</td>
</tr>
<tr>
<td></td>
<td>375 x 180 x 210mm</td>
</tr>
<tr>
<td>Weight</td>
<td>2.05kg</td>
</tr>
</tbody>
</table>

REMOTE CONTROLLERS

Instant control with Bluetooth® wireless connectivity

The 4 Button Remote Control and Joystick Remote Control are used to control a Crawler and Motorised Cable Reel using Bluetooth® wireless technology. The Motorised Cable Reel can be controlled directly without the presence of the Control Unit. A handy size and lightweight, the controllers are simple to use and have an internal battery life in excess of 2 years. Supplied with full instructions.

Technical Specifications

<table>
<thead>
<tr>
<th>Product Code</th>
<th>RCP4</th>
<th>RJP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compatibility</td>
<td>RAP300/RAP200</td>
<td>RAP300/RAP200</td>
</tr>
<tr>
<td>Dimensions</td>
<td>W x L x D mm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>88 x 146 x 27mm</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>175g</td>
<td></td>
</tr>
</tbody>
</table>

SEESNAKE® INTERFACE

Exclusively compatible with Mini-Cam Control Units

Sturdy and robust construction, the Mini-Cam SeeSnake® Interface unit quickly and easily connects the Rigid® SeeSnake® Standard and SeeSnake® Mini cameras to Mini-Cam’s intuitive and advanced Proteus Control Units.

Technical Specifications

<table>
<thead>
<tr>
<th>Product Code</th>
<th>SSP01</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compatibility</td>
<td>Proteus Control Unit</td>
</tr>
<tr>
<td>Dimensions</td>
<td>W x L x D mm</td>
</tr>
<tr>
<td></td>
<td>50 x 268 x 40mm</td>
</tr>
<tr>
<td>Weight</td>
<td>115g</td>
</tr>
</tbody>
</table>

ACCESSORIES

REMOTE CONTROLLERS

Instant control with Bluetooth® wireless connectivity

SEESNAKE® INTERFACE

Exclusively compatible with Mini-Cam Control Units

BRICK EGG STABILIZER

Eliminates rolling over of the crawler

A simple quick fit to our Proteus Crawler, the Brick Egg Stabilizer stops the crawler from rolling over during inspections in pipes with an egg-shaped profile. Exclusively compatible with Mini-Cam’s Proteus CRP300, CRP150, CPL150 and CRP140 crawlers.

Compatibility:
BEP300 fits Proteus CRP300
BEP150/140 fits Proteus CRP150, CPL150 and CRP140

Technical Specifications

<table>
<thead>
<tr>
<th>Product Code</th>
<th>BEP300</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compatibility</td>
<td>CRP300</td>
</tr>
<tr>
<td>Dimensions</td>
<td>L x W x H</td>
</tr>
<tr>
<td></td>
<td>450 x 190 x 220mm</td>
</tr>
<tr>
<td>Weight</td>
<td>2.95kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product Code</th>
<th>BEP150/140</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compatibility</td>
<td>CRP150/CPL150/CRP140</td>
</tr>
<tr>
<td>Dimensions</td>
<td>L x W x H</td>
</tr>
<tr>
<td></td>
<td>375 x 180 x 210mm</td>
</tr>
<tr>
<td>Weight</td>
<td>2.05kg</td>
</tr>
</tbody>
</table>
CABLE REEL GUIDE

Smooth friction-free cable guiding

Reduces friction and provides additional guidance for the cable when paying out and rewinding. Also brushes and cleans the cable when rewinding. Exclusively compatible with Mini-Cam Motorised and Manual 300 metre and 200 metre Cable Reels.

VAN GUIDE PULLEY

Smooth friction-free cable guiding

Reduces friction and provides additional guidance for the cable when paying out and rewinding. Exclusively for use with Mini-Cam Motorised and Manual, 300 metre and 200 metre Cable Reels.

CAMERA ELEVATION PLATFORM

Increase your inspection capabilities

This telescopic elevator quickly attaches to the CRP300 Crawler and can be manually moved up or down to increase inspection capabilities up to 2200mm. Interface for cameras and auxiliary lights.

<table>
<thead>
<tr>
<th>Technical Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Code</td>
</tr>
<tr>
<td>Connections</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Top camera position</td>
</tr>
<tr>
<td>Mid camera position</td>
</tr>
<tr>
<td>Low camera position</td>
</tr>
<tr>
<td>Dimensions L x W x H</td>
</tr>
<tr>
<td>Weight</td>
</tr>
</tbody>
</table>

ACCESSORIES

44
PRESSURE KIT

All you need to purge a Proteus crawler and camera head

Pressurisation is safe, quick and easy. Two kits are available: Standard CO₂ and a Nitrogen version for ATEX equipment. Supplied in a handy padded carry case.

Replacement cylinders can be purchased separately.

PRO LASER

Pinpoint accurate laser profiling of pipes and sewers

ProLaser is the perfect partner for any CCTV inspection system and provides accurate analysis of the true pipe condition prior to and after rehabilitation.

Data Analysis and Delivery

The Mini-Cam Laser profiler has been designed to provide accurate and repeatable pipe geometry for many pipeline conditions. Simply attach the device to your CAM026 and WinCan will do the rest! All results are automatically calculated and can be delivered via WinCan. The WinCan software generates the report automatically, including diameter, ovality, capacity and also provides 3-dimensional XYZ-data.

Technical Specifications

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PKP01</td>
<td>Standard CO₂ Pressure Kit</td>
</tr>
<tr>
<td>PKP02EX</td>
<td>ATEX Nitrogen Pressure Kit</td>
</tr>
</tbody>
</table>

REEL BRACKET

Use the reel as a CCU holder, for portability in remote areas

This lightweight tubular bracket is quick and easy to attach, using the bolts and washers supplied. The bracket holds the control unit firmly in place in a comfortable working position for the user. Available in 2 sizes.

Technical Specifications

<table>
<thead>
<tr>
<th>Product Code</th>
<th>RBP01</th>
<th>RBP02</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compatibility</td>
<td>Fits 200m Reel</td>
<td>Fits 300m Reel</td>
</tr>
<tr>
<td>Dimensions</td>
<td>350 x 215 x 118</td>
<td>430 x 215 x 118</td>
</tr>
<tr>
<td>Weight</td>
<td>675g</td>
<td>735g</td>
</tr>
<tr>
<td>CRP300</td>
<td>CRP150</td>
<td>CRP140</td>
</tr>
<tr>
<td>--------</td>
<td>--------</td>
<td>--------</td>
</tr>
<tr>
<td><strong>Pipe Diameter</strong></td>
<td>300 - 1000mm</td>
<td>150 - 600mm</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>42 kg</td>
<td>9.25 kg</td>
</tr>
<tr>
<td><strong>Pressure Depth Rating</strong></td>
<td>3 bar (14.50psi)</td>
<td>1 bar (14.50psi)</td>
</tr>
<tr>
<td><strong>Built-in Elevator</strong></td>
<td>Motorised</td>
<td>Motorised</td>
</tr>
<tr>
<td><strong>Quick Change Wheel Lock</strong></td>
<td>3 size options</td>
<td>4 size options</td>
</tr>
<tr>
<td><strong>Optimum Large Wheels</strong></td>
<td>4 size options</td>
<td>4 size options</td>
</tr>
<tr>
<td><strong>Multi-Frequency Sonde Transmitter</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Inclination Sensor</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Heavy Duty Connector</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Flexi Reel Connector</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dimensions L x W x H mm</strong></td>
<td>470 x 233 x 195</td>
<td>307 x 133 x 110</td>
</tr>
<tr>
<td><strong>ATEX Zone 2 Certified</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**CAMERAS & AUXILIARY LIGHTS**

<table>
<thead>
<tr>
<th>CAM026</th>
<th>CAM028</th>
<th>CAM029</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Imager</strong></td>
<td>1/4&quot; colour CCD with DSP (Digital Signal Processor)</td>
<td></td>
</tr>
<tr>
<td><strong>Standard</strong></td>
<td>PAL</td>
<td>PAL</td>
</tr>
<tr>
<td><strong>Effective Pixels</strong></td>
<td>512 x 512</td>
<td>512 x 512</td>
</tr>
<tr>
<td><strong>Resolution</strong></td>
<td>470 HTVL</td>
<td>470 HTVL</td>
</tr>
<tr>
<td><strong>Sensitivity</strong></td>
<td>&lt; 0.1 lux</td>
<td>&lt; 0.1 lux</td>
</tr>
<tr>
<td><strong>Aperture/Field of View</strong></td>
<td>F2.5 / 75°</td>
<td>F2.5 / 75°</td>
</tr>
<tr>
<td><strong>Image Orientation</strong></td>
<td>Auto-leveling</td>
<td>Auto-leveling</td>
</tr>
<tr>
<td><strong>Dimensions L x W x H mm</strong></td>
<td>430 x 345 x 145 (16.9 x 13.6 x 5.7in)</td>
<td>430 x 345 x 145 (16.9 x 13.6 x 5.7in)</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>6.07 kg (13.3lbs)</td>
<td>6.07 kg (13.3lbs)</td>
</tr>
<tr>
<td><strong>Illumination System</strong></td>
<td>4 LEDs</td>
<td>4 LEDs</td>
</tr>
<tr>
<td><strong>Illumination Intensity</strong></td>
<td>Adjustable (0 to 12.5k lux at 150mm)</td>
<td>Adjustable (0 to 12.5k lux at 150mm)</td>
</tr>
<tr>
<td><strong>Pressure Depth Rating</strong></td>
<td>1 bar (14.50psi)</td>
<td>1 bar (14.50psi)</td>
</tr>
<tr>
<td><strong>Zoom</strong></td>
<td>10x optical / 12x digital</td>
<td>10x optical / 12x digital</td>
</tr>
<tr>
<td><strong>Construction</strong></td>
<td>Stainless Steel</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td><strong>Pipe Compatibility</strong></td>
<td>33 mm / 512 Hz / 640 Hz</td>
<td>33 mm / 512 Hz / 640 Hz</td>
</tr>
<tr>
<td><strong>Pipe Adaptor Kit</strong></td>
<td>3&quot; / 76.2mm / 8&quot; Skids</td>
<td>3&quot; / 76.2mm / 8&quot; Skids</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAM027</th>
<th>ALX900</th>
<th>ALX300</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Imager</strong></td>
<td>1/4&quot; colour CCD with Digital Signal Processor</td>
<td></td>
</tr>
<tr>
<td><strong>Standard</strong></td>
<td>PAL</td>
<td>PAL</td>
</tr>
<tr>
<td><strong>Effective Pixels</strong></td>
<td>512 x 512</td>
<td>512 x 512</td>
</tr>
<tr>
<td><strong>Resolution</strong></td>
<td>470 HTVL</td>
<td>470 HTVL</td>
</tr>
<tr>
<td><strong>Sensitivity</strong></td>
<td>&lt; 0.1 lux</td>
<td>&lt; 0.1 lux</td>
</tr>
<tr>
<td><strong>Aperture/Field of View</strong></td>
<td>F2.5 / 75°</td>
<td>F2.5 / 75°</td>
</tr>
<tr>
<td><strong>Image Orientation</strong></td>
<td>Auto-leveling</td>
<td>Auto-leveling</td>
</tr>
<tr>
<td><strong>Dimensions L x W x H mm</strong></td>
<td>143 x 80 x 80 (5.6 x 3.1 x 3.1in)</td>
<td>51 x 68 x 50 (2.0 x 2.6 x 1.9in)</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>1.15 kg (2.5lbs)</td>
<td>0.23 kg (0.5lbs)</td>
</tr>
<tr>
<td><strong>Illumination System</strong></td>
<td>4 LEDs</td>
<td>4 LEDs</td>
</tr>
<tr>
<td><strong>Power Consumption</strong></td>
<td>6W</td>
<td>6W</td>
</tr>
<tr>
<td><strong>Power Consumption</strong></td>
<td>1 bar (14.50psi)</td>
<td>1 bar (14.50psi)</td>
</tr>
<tr>
<td><strong>Construction</strong></td>
<td>Stainless Steel</td>
<td>Aluminium / Stainless Steel</td>
</tr>
<tr>
<td><strong>Pipe Compatibility</strong></td>
<td>33 mm / 512 Hz / 640 Hz</td>
<td>33 mm / 512 Hz / 640 Hz</td>
</tr>
<tr>
<td><strong>Pipe Adaptor Kit</strong></td>
<td>3&quot; / 76.2mm / 8&quot; Skids</td>
<td>3&quot; / 76.2mm / 8&quot; Skids</td>
</tr>
</tbody>
</table>

All cameras (except CAM027) above are available in ATEX ZONE 2 approved
AFTER SALES SUPPORT
WE ARE RIGHT BEHIND YOU ALL OF THE WAY!

At Mini-Cam we pride ourselves on our commitment to always going the extra mile with our customer care.
After sales support and Service and Repair is available from 8am until 5pm Monday to Thursday, and 8am until 3.45pm on Friday.

Operator and Service Training is available to customers and their employees, at our UK headquarters, your company headquarters or your preferred location - contact us for full details and costs.

PARTS E-SHOP
QUICK, EASY ONLINE ORDERING AND WORLDWIDE DELIVERY*

Appointed Mini-Cam Partners are given access to the online parts shop which has the full range of genuine Mini-Cam spares and accessories, all available to order online with same day despatch if ordered before 3pm*. The e-shop stocks parts for all Mini-Cam systems and equipment. www.minicam.co.uk

SERVICE SUPPORT LINE
For further information and to request a Service Support visit please contact:
Glenn Guest - Service Manager
Office: 01942 270524
8am – 5pm Monday to Friday
Email: servicevan@minicam.co.uk

*Terms and conditions apply - contact us for details

SERVICE SUPPORT
FOR JUST WHEN YOU NEED US MOST

Mini-Cam’s reputation for efficient, quality service is now mobile nationwide*. Our dedicated, highly skilled service technicians are available to offer routine maintenance and emergency repairs, both on-site and at your depot.

Our Service Support vehicle is stocked with a range of replacement parts and fault finding equipment that will cover most eventualities. Mini-Cam customers who need an urgent repair, can take advantage of this service.

• Competitive Pricing
• Rapid Service Turn-Around
• Loan equipment provided** whilst yours is repaired on-site
• Replacement parts readily available
• Minimize downtime

CONTACT INFORMATION
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Saturday & Sunday Closed
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*Service Support coverage in mainland UK only and does not include Scottish Highlands, Scottish Islands, Isle of Wight, Isle of Man, Dublin, Eire, Channel Islands.**Subject to availability.

HOW TO FIND US

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