SOLO Pro ✛

PIPELINE VIDEO INSPECTION SYSTEM

TOTAL INSPECTION PRODUCTIVITY

Mini·Cam
InPipe Innovation

TOTAL INSPECTION PRODUCTIVITY

SOLOPro+ has all you need to inspect pipes, document your findings, and create detailed reports for on-site delivery. It captures detailed footage under tough conditions, and its interface offers robust tools – including observation entry and reporting options – and accepts USB and SD media for easy offload of data, video, images and reports. SOLOPro+ is WiFi enabled to allow remote access to stored images and data.

COILER

Welded steel construction with a protective powder coat finish mean SOLOPro+'s reel stands up to the punishment of daily field use. It's sealed slip ring ensures reliable operation, while measurements from the integral distance counter apppear onscreen. SOLOPro+ reel is available in 3 sizes; 40m, 60m and 100m

100m (330')

60m (200')

40m (130')

SOLOPro+

INTELLIGENT, FLEXIBLE, RUGGED ENGINEERED TO PERFORM

Mini-Cam's mission is simple: to design and build intelligent, reliable pipeline inspection systems with innovative features. The new SOLOPro+ combines the tried and tested best selling SOLOPro™ and SOLOPro 360™ systems, with a host of new features that deliver an improved user experience for efficient inspections and accurate reporting.

The redesigned control unit features an integral joystick control, ergonomic soft-touch keypad, and user friendly multi-function hot keys which mirror an intuitive on-screen display to enable quick and accurate navigation of the numerous features. The customisable interface displays real-time footage on a 200mm Sunlight Readable LCD screen, you can zoom video 3X, capture still images, enter up to 16 pages of text, browse thumbnail galleries and select among available languages. Offloading images and data is as simple as plugging in a USB stick or SD Card. The controller runs off mains power, vehicle power or an internal rechargeable 6-hour battery, and comes WiFi enabled to allow remote access to stored images and data, users can simply drag and drop files from CCU to PC, or upload to the Cloud directly on-site. Mini-Cam's ProPIPE reporting software comes as standard with all systems, and WinCan Embedded catalogues allow you to form industry standard reporting directly from the field.

Mini-Cam's cameras are unrivalled for quality and reliability, the Self Levelling Axial Camera (CAM025) and Pan & Rotate Camera (CAM026) come as standard with the top end SOLOPro+ DUO System. Separate Axial Camera and Pan and Rotate Camera systems are part of the new line-up. Each system is available with a choice of 40m, 60m or 100m reel of rugged construction with a sealed slip ring and new style friction brake.

Left: **SOLOPro+ 60 Metre with Self Levelling Axial Camera**
Top right: **Easy-fit CCU Locators** *Bottom right*: **CCU210**

SOLOPro+ FEATURES
INNOVATION THAT EXCELS

HOT KEYS
Intuitive user-friendly multi-function keys. Colour coding matches the key to the on-screen menu.

JOYSTICK CONTROL
The joystick provides smooth accurate control of the Pan & Rotate camera.

SOFT KEY NAVIGATION
Soft-touch QWERTY style keyboard for responsive key actions.

EASY-FIT CCU
Mini-Cam's unique cow-horn shaped CCU locator makes for a secure quick fit, ready for work.

FRICTION BRAKE
A simple one handed operation. The brake can be fully locked, unlocked or applied as a friction brake to avoid unwanted pay-off of the rod.

DATA TRANSFER
Offloading images and data is as simple as plugging in a USB stick or SDHC card. WiFi enabled to allow remote access to stored images and data.

OPTIONAL CAMERAS
Both cameras feature high powered LED lighting. Choose from Self Levelling Axial camera or the Pan & Rotate with 360° endless rotation and Pan 135° +/-

ADAPTOR KIT
Optimize your view in lines 75mm and larger using the adaptor kit with three centering skids supplied with your SOLOPro+ system.

FUNCTIONALITY AT YOUR FINGERTIPS

Capture Footage
Grab 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
Organize videos and images 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 reporting and querying capabilities.

Write Screen Text
Type and store up to 16 pages of on-screen text. Customize text colour, position and background colour.

Control Hardware
Set sonde frequency, adjust illumination, and zero/offset 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.

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

INDUSTRY STANDARD REPORTING SOFTWARE

ProPIPE Report was designed and developed by Mini-Cam's in-house team of software engineers. It enables users to create professionally presented, detailed reports while on site. Quick and easy-to-use, ProPIPE Report streamlines pipeline inspection diagnostics, making your business ultra efficient, reducing your costs and eliminating those long hours in the office.

ProPIPE™ REPORT

WinCan SOFTWARE

You can also export observation data seamlessly to WinCan software (sold separately) and benefit from; database capabilities • WRc3 and WRc4 compliance • GIS Integration • advanced technology modules • enhanced reporting • support for network installation and enterprise databases (Oracle, SQL).

WinCan genuine embedded reporting inside

B

C

A

D

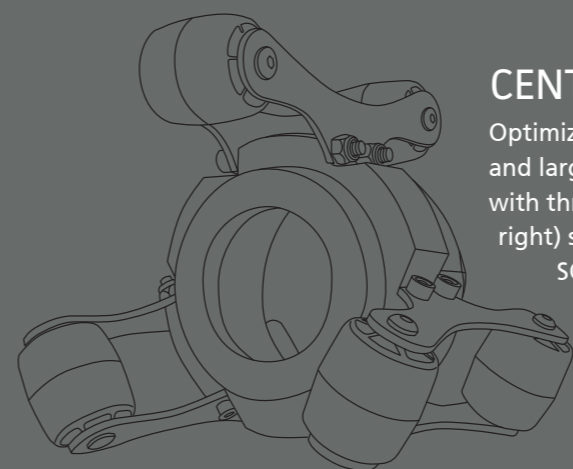|	Description	Product Code
A	180mm Roller Skid for CAM023/25	ASS-002-009
B	180mm Roller Skid for CAM026	ASS-001-955
C	130mm Roller Skid for CAM026	ASS-002-160
D	130mm Roller Skid for CAM023/25	ASS-002-008

ROLLER & CENTERING SKIDS

INCREASE THE EFFECTIVENESS AND LIFESPAN OF YOUR PIPELINE INSPECTION SYSTEM

Use Mini-Cam Roller Skids to increase the effectiveness and lifespan of your pipeline inspection system. Manufactured from high quality materials.
No tools or manual adjustments are required, simply fit the skid and the three pivoting arms with specially shaped nylon wheels adjust to fit the required pipe diameter keeping the camera head centered in the pipeline at all times.

The roller skids expand the system for use in 15cm to 45cm (6"-18") pipelines, this enables you to use

your push camera inspection system in pipelines that would otherwise require a crawler system. The roller skids allow inspection cameras to negotiate multiple corners and bends and increase the depth range significantly.

Available in 2 sizes to fit Self Levelling Axial Camera (CAM 025) and the Pan & Rotate Camera (CAM026). Manufactured from stainless steel and ABS plastic the device is sturdy, rugged and corrosion resistant to withstand the punishment of daily field work.

CENTERING SKIDS

Optimize your view in lines 75mm and larger using the adaptor kit with three centering skids (shown right) supplied with your SOLOPro+ system.

SPECIFICATIONS SOLOPRO+

		SOLOPRO + Axial	SOLOPRO + Pan & Rotate	SOLOPRO + Duo
SYSTEM	Video Format	PAL		
			✓	✓	✓
	Battery	6-hour Lithium-Ion	✓	✓	✓
	Charging	Mains power (100-240 Vac) or vehicle power (12 or 24 VDC) using supplied adpators	✓	✓	✓
CCU210 COMTROLLER	Display	8" TFT LCD (800 x 600 pixels) Sunlight readable	✓	✓	✓
	Keyboard	Full QWERTY* style membrane keyboard with arrow keys for navigation and separate joystick for camera control.	✓	✓	✓
	Video Recording	MPEG4 (WinCan compatible)	✓	✓	✓
	Image Capture	JPEG (live or from recorded video)	✓	✓	✓
	Text Overlay	16 page (selectable text and colours)	✓	✓	✓
	Internal Memory	32 GB (expandable to 128 GB)	✓	✓	✓
	External Media	SDHC and USB 2.0	✓	✓	✓
	Language Support	Multiple	✓	✓	✓
	Connections	Power Reel	✓	✓	✓
	Environmental Rating	IP54	✓	✓	✓
	Weight		3 kg (6.6lb)	3 kg (6.6lb)	3 kg (6.6lb)
	Dimensions	(W x H x D) mm (W x H x D) inches	435 x 250 x 140 17.1 x 9.8 x 5.5	435 x 250 x 140 17.1 x 9.8 x 5.5	435 x 250 x 140 17.1 x 9.8 x 5.5
REEL	Construction	Welded Steel	✓	✓	✓
	Finish	Powder Coated	✓	✓	✓
	Distance Counter Units	Feet, Metres	✓	✓	✓
	Controls	Friction Brake	✓	✓	✓
	Weight	40m / 60m / 100m	40m 15kg (33lb) · 60m 20kg (44lb) · 100m 30kg (66lb)		
	Dimensions	40m (130') / 60m (200') / 100m (330') (L x W x H) cm (L x W x H) cm	40m (130') 530 x 365 x 690 20.8 x 14.3 x 27.1	60m (200') 690 x 370 x 890 27.1 x 14.5 x 35	100m (330') 790 x 370 x 960 31.1 x 14.5 x 37.7
CAM025 AXIAL	Imager	¼" colour CCD with DSP (Digital Signal Processor)	✓	-	✓
	Effective Pixels	512 x 582	✓	-	✓
	Resolution	470 HTVL	✓	-	✓
	Sensitivity	< 1.0 lux	✓	-	✓
	Aperture / Field of View	F2.5 / 75°	✓	-	✓
	Image Orientation	Auto-levelling	✓	-	✓
	Size	41mm (1.16") diameter	✓	-	✓
	Illumination System	4 LED	✓	-	✓
	Illumination Intensity	Adjustable (to 12.5k lux at 150mm)	✓	-	✓
	Construction	Stainless Steel	✓	-	✓
	Pipe Compatibility	50mm (2") and up	✓	-	✓
	Sonde	33 kHz / 512kHz / 640 kHz	✓	-	✓
	Pipe Adaptor Kit	3" / 4" /6" Skids	✓	-	✓

		SOLOPRO + Axial	SOLOPRO + Pan & Rotate	SOLOPRO + Duo
CAM026 PAN & ROTATE	Imager	¼" colour CCD with DSP	-	✓	✓
	Effective pixels	512 x 582	-	✓	✓
	Resolution	470 HTVL	-	✓	✓
	Sensitivity	< 1.0 lux	-	✓	✓
	Aperture / field of view	F2.5 / 75°	-	✓	✓
	Image Orientation	Auto-levelling	-	✓	✓
	Size	41mm (1.16") dia	-	✓	✓
	Illumination System	6 LED	-	✓	✓
	Illumination intensity	Adjustable (to 12.5K lux at 150mm)	-	✓	✓
	Construction	Aluminium / Stainless steel	-	✓	✓
	Pipe compatibility	150mm (6") and up	-	✓	✓
	Sonde	33 kHz / 512 kHz / 640 kHz	-	✓	✓
	Pipe adaptor kit	6" / 8 " Skids	-	✓	✓
SOFTWARE	ProPIPE Reporting		✓	✓	✓
	WinCan Embedded		○	○	○
ACCESSORIES	Reel-to-controller cable		✓	✓	✓
	Vehicle power adaptor		✓	✓	✓
	Mains power adaptor		✓	✓	✓
	Memory	8 GB USB Drive / 8 GB SDHC card	✓	✓	✓
	Accessory Case		✓	✓	✓
	Mini-Cam Landyard		✓	✓	✓
OPTIONS	Composite video input pigtail		○	○	○
	Memory card upgrade		○	○	○
	Roller skids	130mm / 180mm	○	○	○

- Not applicable
○ optional

*alternative languages available

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minicam.co.uk

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