

Digital Video Inspection



Modular Inspection Solutions
GatorCam3™



Radiodetection

Digital
Quality

PC
Reporting

Fully
Modular

Rugged

Rugged digital video with flexible modularity

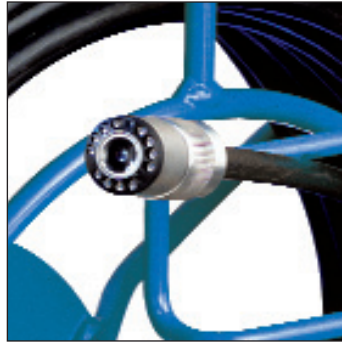
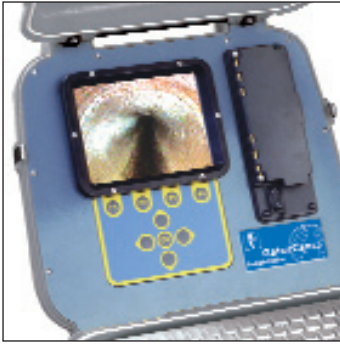
Radiodetection, a world leader in video pipeline inspection technology, brings digital quality and reliability to a new range of portable inspection solutions for residential, small commercial and municipal applications.

The GatorCam3™ series of robust, fully interchangeable and easy-to-use components are available in a number of feature-loaded packaged configurations. The numerous additional options available enable you to create a solution ideally suited to your needs.



GatorCam3™ series feature the following benefits:

- Robust and convenient digital video for high definition image display, recording and playback
- Reliable image storage on small Compact Flash cards
- Simple high quality video image transfer to a PC for inclusion in customer reports
- Ruggedised Control Module with a 6.4" anti-glare TFT LCD screen
- Easily cleaned and splash-proof Control Module to IP53 (open) and IP55 (Closed)
- Tough cameras with a stainless steel body and a double layer sapphire lens cover
- Interchangeable camera options with bright white LED lighting and auto-iris camera control
- Range of rods from 30m/100ft to 150m/500ft with rod counter and calibration
- Full compatibility of all components across the range
- Fully locatable with sonde and locator accessories
- Variety of skids and brushes for pipe manoeuvrability
- Audio input for voice over annotation
- FlexiSight™ software for simple digital video and snapshot manipulation



FEATURES

DIGITAL VIDEO SYSTEM	CAMERA SYSTEM	ROD MATTERS
Choose from:	Choose from:	Choose from:
Video Record Control Module with 6.4" Colour TFT-LCD Screen including: Mini-keyboard Microphone Headset Mains power supply (indoor use only) 12v car cigarette-lighter power lead Compact Flash Card Reader (USB for PC use) Compact Flash Card 1GB FlexiSight™ Video Editing Software CD-ROM	50mm/2" colour self-levelling fixed-focus camera (PAL/NTSC) including: Universal Flexi coupler Skid ball 66mm/2.6" Skid Kit with balls and brushes for use in 100mm/4" and 150mm/6" pipes	30m/100ft Mini rod and reel including: 5m/15ft connection cable
Look-See Control Module with 6.4" Colour TFT-LCD Screen including: Mains power supply (indoor use only) 12v car cigarette-lighter power lead	25mm/1" colour Camera (PAL/NTSC) with manual focus and focus tool including: Universal Flexi coupler Skid ball 60mm/2.4" Skid Kit for use in 100mm/4" pipes	60m/200ft Standard rod and reel including: 5m/15ft connection cable Control Module Clamp
		120m/400ft Standard rod and reel including: 5m/15ft connection cable Control Module Clamp
		150m/500ft Specialist rod and reel including: 5m/15ft connection cable Control Module Clamp

SPECIAL LOCATOR AND SONDE PACKAGE

RD2000^s Locator with a 640Hz / 512Hz Solid Sonde

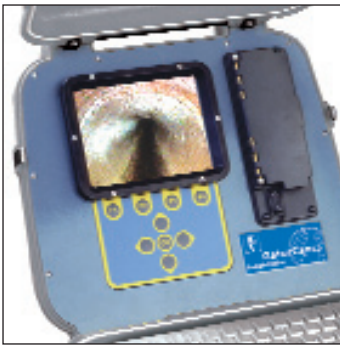
RD2000^s Locator with a 640Hz / 512Hz 50mm / 2" Flexisonde

OPTIONAL ACCESSORIES

Battery Power Supply Unit (inc. 5m/15ft connection cable and mains charging unit)	Video Record Control Module with 6.4" Colour TFT-LCD Screen IP53 / IP55
Solid Sonde 640Hz / 512Hz	Mini-keyboard (five languages available)
25mm / 1" Flexi Sonde 640Hz / 512Hz	Microphone Headset
50mm / 2" Flexi Sonde 640Hz / 512Hz	Compact Flash Card Reader (USB for PC use)
30m / 100ft Reel	Compact Flash Card 1GB
60m / 200ft Reel	FlexiSight™ Video Editing Software CD-ROM
120m / 400ft Reel	Skid Kit with balls and brushes for use in 100mm / 4" pipes
150m / 500ft Reel	Skid Kit with balls and brushes for use in 100mm / 4" and 150mm / 6" pipes
25mm / 1" colour Camera with manual focus and focus tool (PAL / NTSC)	W Skid 200mm / 8"
50mm / 2" colour self-levelling fixed-focus camera (PAL / NTSC)	Pulling eye
Look-See Control Module with 6.4" Colour TFT-LCD Screen IP53 / IP55	

CONSUMABLES

Replacement brushes for 25mm / 2" camera systems (24)	Replacement brushes for 50mm / 2" camera systems (4x6)
Compact Flash Card 1GB	



ORDERING INFORMATION

STANDARD SYSTEMS			OPTIONAL ACCESSORIES		
VIDEO RECORD CONTROL MODULE			Battery Power Supply Unit		
with 50mm / 2" colour camera			10/RP2879-RD		
30m / 100ft	PAL	10/RD331PAL2VR	Solid Sonde	640Hz	10/RP2811-640
	NTSC	10/RD331NTSC2VR		512Hz	10/RP2811-512
60m / 200ft	PAL	10/RD332PAL2VR	50mm Flexi Sonde	640Hz	10/RP2838-640
	NTSC	10/RD332NTSC2VR	2" Flexi Sonde	512Hz	10/RP2838-512
120m / 400ft	PAL	10/RD332PAL2VR120	25mm Flexi Sonde	640Hz	10/RP2836-640
	NTSC	10/RD332NTSC2VR120	1" Flexi Sonde	512Hz	10/RP2836-512
150m / 500ft	PAL	10/RD333PAL2VR	30m / 100ft Reel		10/RP2840-RD30
	NTSC	10/RD333NTSC2VR	60m / 200ft Reel		10/RP2840-RD60
with 25mm / 1" colour camera			120m / 400ft Reel		10/RP2840-RD120
30m / 100ft	PAL	10/RD331PAL1VR	150m / 500ft Reel		10/RP2840-RD150
	NTSC	10/RD331NTSC1VR	25mm / 1" colour Camera with manual focus and focus tool	PAL	10/RP2812-PAL
60m / 200ft	PAL	10/RD332PAL1VR		NTSC	10/RP2812-NTSC
	NTSC	10/RD332NTSC1VR	50mm / 2" colour self-levelling fixed-focus camera	PAL	10/RP2813-PAL
120m / 400ft	PAL	10/RD332PAL1VR120		NTSC	10/RP2813-NTSC
	NTSC	10/RD332NTSC1VR120	Look-See Control Module with 6.4" Colour TFT-LCD Screen		10/RP2820-RD
150m / 500ft	PAL	10/RD333PAL1VR	Video Record Control Module with 6.4" Colour TFT-LCD Screen		10/RP2859-RD
	NTSC	10/RD333NTSC1VR	Mini-keyboard (five languages available)		Refer to Sales
LOOK-SEE CONTROL MODULE			Microphone Headset		26/P330-HEADSET
with 50mm / 2" colour camera			Compact Flash Card Reader (USB for PC use)		26/P330-CF-USB
30m / 100ft	PAL	10/RD331PAL2LS	FlexiSight Video Editing Software CD-ROM		97/RP2886-RD-01
	NTSC	10/RD331NTSC2LS	Skid and brush kit with 25mm / 1" mount for 100mm / 4" pipes		10/RP2835Z2
60m / 200ft	PAL	10/RD332PAL2LS	Skid Kit with 50mm / 2" mount for 100mm / 4" and 150mm / 6" pipes		10/RP2841Z2
	NTSC	10/RD332NTSC2LS	W Skid 200mm / 8"		10/RP2841Z3
120m / 400ft	PAL	10/RD332PAL2LS120	Pulling eye		04/RP2809N6
	NTSC	10/RD332NTSC2LS120	Control Module - Reel Clamp		10/RP2826
150m / 500ft	PAL	10/RD333PAL2LS	Smooth Skid ball 60mm / 2.4"		10/RP2835Z1
	NTSC	10/RD333NTSC2LS	Smooth Skid ball 66mm / 2.6"		10/RP2841Z1
with 25mm / 1" colour camera			CONSUMABLE PRODUCTS		
30m / 100ft	PAL	10/RD331PAL1LS	Replacement brushes for 25mm / 1" camera systems (24)		04/RPBRUSH1KIT
	NTSC	10/RD331NTSC1LS	Replacement brushes for 50mm / 2" camera systems (24)		04/RPBRUSH2KIT
60m / 200ft	PAL	10/RD332PAL1LS			
	NTSC	10/RD332NTSC1LS			
120m / 400ft	PAL	10/RD332PAL1LS120			
	NTSC	10/RD332NTSC1LS120			
150m / 500ft	PAL	10/RD333PAL1LS			
	NTSC	10/RD333NTSC1LS			
Locator and Solid Sonde Package		10/RDSONLOC-EU			
Locator and Flexi Sonde Package		10/RDFSONLOC-EU			



TECHNICAL SPECIFICATIONS

COMMAND MODULE		CAMERAS		REELS	
<p>The GatorCam3™ universal Command Centre is a compact, rugged control unit that is designed to fit all GatorCam3™ reels using a clamp. The unit can be undocked for easy transport and storage. Other outstanding benefits include:</p> <p>VIDEO RECORDING OPTION</p> <ul style="list-style-type: none"> Digital video recording on CompactFlash (up to 90 minutes of video) Easy transfer of video files to PC via CompactFlash Built in video organiser facility for quick and efficient storage, retrieval and playback of surveys Ruggedised, weatherproofed construction (IP rating IP55/IP53) 6.4" VGA anti-glare TFT- LCD screen Composite video in/out connector for video capture to standard external recording devices Audio input for voice-over annotation On screen titling with QWERTY mini-keyboard Rod counter with calibration facility Operates from DC vehicle supply, AC (mains power or generator) or optional rechargeable battery pack 		<ul style="list-style-type: none"> 25mm / 1" diameter, manual focus colour camera for inspecting 30mm - 100mm / 1.25" - 4" pipes 50mm / 2" diameter, fixed focus self-levelling colour camera for inspecting 60mm - 200mm / 2.5" - 8" pipes Dual glazed sapphire lens to resist thermal shock Cameras sealed against water ingress to IP68 standards (11bar/160psi) 		<ul style="list-style-type: none"> Compact and easy to carry Available in 3 sizes to meet various requirements Larger reels are equipped with wheels for easy transport 	
		SELF LEVELLING CAMERA		MINI REEL	
		DIMENSIONS	48 x 80 mm / 1.89" x 3.15"	DIMENSIONS	570 x 440 x 256mm 2.5" x 17.5" x 10.5"
		WEIGHT	0.38 kg / 0.84 lbs	WEIGHT	11 kg / 24 lbs
		CONSTRUCTION	303 Stainless Steel	CONSTRUCTION	Welded steel powder coated
		WATERPROOF	IP68 (11 bar / 160 psi)	ROD	30m / 100'
		CAPACITY	60mm - 200mm / 2.5" - 8"	STANDARD REEL	
		POWER	1.90 W (max)	DIMENSIONS	850 x 750 x 420mm 33.5" x 30" x 16.5"
		OPERATING TEMPERATURE	-10°C to +50°C	WEIGHT	18.2 kg / 40 lbs (60m / 200ft) 24.9 kg / 55lbs (120m / 400ft)
		FOCAL LENGTH	100mm to 5m / 4" to 16ft	CONSTRUCTION	Welded steel powder coated
		FOCUS	Preset focus	ROD(s)	60m / 200ft or 120m / 400ft
		LIGHTING	Maintenance free LEDs	SPECIALIST REEL	
		IMAGE RESOLUTION	752 x 582 PAL 500 x 582 NTSC	DIMENSIONS	813 x 1168 x 475mm 32" x 46.1" x 18.7"
		S/N RATIO	>45dB	WEIGHT	33.7kg / 74.2 lbs
		MINI CAMERA		CONSTRUCTION	Welded steel powder coated
		DIMENSIONS	24mm x 39mm / 0.94" x 1.54"	ROD	150m / 500ft
		WEIGHT	0.06 kg / 0.13 lbs		
		CONSTRUCTION	303 Stainless Steel		
		WATERPROOF	IP68 (11 bar / 160 psi)		
		CAPACITY	30mm - 100mm / 1.25" - 4"		
		POWER	0.75 W		
		OPERATING TEMPERATURE	-10°C to +50°C		
		FOCAL LENGTH	20mm / 0.8" - infinity		
		FOCUS	Manually adjustable		
		LIGHTING	Maintenance free LEDs		
		IMAGE RESOLUTION	628 x 582 PAL 510 x 492 NTSC		
		S/N RATIO	>46dB		
ELECTRICAL	10 – 28v DC				
WEIGHT	10 lbs / 4.5 kg				
DIMENSIONS	360 x 360 x 200mm 14" x 14" x 8"				
MATERIAL	Structural Polypropylene				
ENVIRONMENTAL	IP55 (closed lid); IP53 (open lid)				
SYSTEMS	All GatorCam3™ series components				
MONITOR DIMENSIONS	6.4" diagonal				
MONITOR RESOLUTION	640 x 480				
MONITOR CONTROLS	Brightness and Contrast				



THE RD2000 PIPE LOCATOR

The essential tool to pinpoint the location and depth of the GatorCam3™ sonde within the pipe. Locate the sonde in cast iron pipe to a depth of 3m/10ft and up to 6m/19.8ft in non-metallic pipe.

The RD2000's LCD display provides a digital read-out of depth as well as a bar-graph display and audible tone.



640HZ / 512HZ SONDE

DIMENSIONS	25mm x 78mm / 1" x 3.1"
WEIGHT	0.1 kg / 0.22 lbs
CONSTRUCTION	303 Stainless Steel / Glass Filled PEEK
FREQUENCY	640Hz / 512Hz
WATERPROOF	IP68 (11 bar / 160 psi)
POWER	0.43 W

World leaders

Radiodetection is a proud member of the SPX group of companies, which provide technical products and service solutions worldwide.

Radiodetection and its associated companies specialise in the design and manufacture of products for the location and maintenance of underground pipes and cables. Our aim is to be viewed as the supplier of choice of 'high performance' quality equipment using advanced product technologies. We are also committed to both design innovation and customer support.

To see the full range of products and services provided by Radiodetection group visit www.radiodetection.com

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Technical support

Radiodetection customers have easy access to technical support. A call to your regional representative, or the Radiodetection head office, will put you in contact with our team of field-experienced technical experts.

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Servicing and repair

Radiodetection has a team of factory-trained service technicians and a dedicated service facility accredited to ISO 9000. Turnaround is fast, and costs are very competitive. All repairs carry a six month warranty.

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Training

Radiodetection offers a range of training for your operators and training personnel and is available on your site, or at Radiodetection's headquarters. Training is carried out by qualified instructors and each trainee receives a certificate to confirm they have received the training.



Radiodetection

www.radiodetection.com

Radiodetection products are under continuous development and are subject to change, we reserve the right to alter or amend any published specification without notice.

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