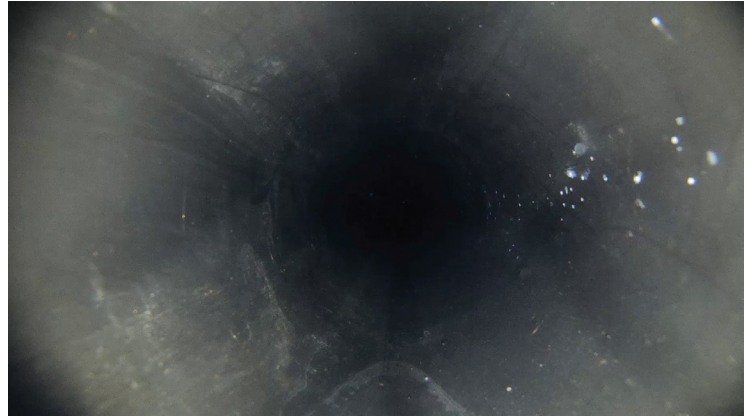# PipeCorder
Autonomous Pipe Inspection System

The PipeCorder is a robust, compact fully autonomous internal pipe inspection tool for the monitoring of pipes as small as 4.5 inch ID. Place the PipeCorder into the pipeline as you would with a normal pipe-pig to capture full HD video, audio, log and record motion, direction and rotation.

- Mandrel Pig type design for safe navigation of pipeline.
- High Power LED lighting to illuminate dark pipe walls (such as black HDPE water pipe).
- Designed for 12 hours plus of operation (power and recording disk space).
- Design Pressure 200 psi max (equivalent to approx. 450ft seawater).
- Stores video, audio and data on onboard memory cards.
- No special tools or software needed to view video, audio and data (basic laptop computer will suffice).
- Rechargeable battery.
- Robust design for high impact.
- Modular design allows the system to be configured for use in other pipe sizes.
- Rapid deployment time and simple to use.
- Proven performance in 6-inch SDR 9 (5.094 ID) HDPE potable water pipeline for runs of 5 miles / 12 hours.

The PipeCorder facilitates internal pipeline inspection to identify problems, map location and allow for pre and post "pigging" inspection of pipelines to identify problems and provide proof of remedy post cleaning.

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Rev. A

Patent Pending

Specifications

PHYSICAL	
Body:	Aluminum or Stainless Steel
Diameter (Body with fins)**	4.895 in (124.33mm) **as configured in image shown on this sheet. Smaller ODs are available
OAL	6.5 in (160 mm)
Window	Polycarbonate or Synthetic Sapphire Crystal
Weight in Air	4.5 lbs (2.0 kg)
Approx Weight in Water	4.0 lbs (1.8 kg)
Operating Depth	200psi : Equivalent to 450ft (135m)
Operating Temperature	0°C to 50°C (32°F to 122°F)
IMAGE	
Video Resolution and frame rate	User selectable HD 1080p at 30fps or 720p at 30fps or 60fps
Horizontal viewing angle	116 deg (in air)
Video Format	.MOV
Image device	CMOS sensor
Time Stamp	Video files are marked with time / date of recording.
ELECTRICAL	
Power Capacity	11200 mAh
Power Consumption (approx)	800mA

REMOVE MAGNET TO DEPLOY SYSTEM

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