

# REMOTE VISUAL INSPECTION (RVI) KUMMERT CRAWLER CAMERA



FOR ALL YOUR INSPECTION NEEDS



This RVI tool is a high resolution camera head with pan/tilt capability attached to a 4 wheel drive crawler pulling a 260 meter long Kevlar reinforced cable, capable of entering nozzles, pipes and passages with diameter from 130 mm upwards. Its extended length of 260 meter allows the crawler to be driven or dropped into a tank or pipeline to view in clear detail the internal condition.

The camera looks forward but can be panned, tilted and focused to view in almost all angles inside an object. The cable itself is flexible allowing the crawler to be remotely driven past 2 to 3 bends or obstructions. The crawler comes with an LED light ring and 2 external lights to illuminate the areas in front of the camera.

RVI is normally used to be able to "see" through a camera what an object, such as pipe, vessel or tank looks like on the inside. The inspection may be to verify cleanliness inside, to look for damages like wear, cracks, welding defects, metal dust, etc, or to retrieve items lost inside a system (such as tools dropping into pipes/vessels). All internal inspection can be recorded either on digital medium or on traditional video and pictures will be taken of any particular observations, so to fully document any found condition.

The tool is normally operated by 2 RVI operators, allowing for documentation and maneuvering of the equipment. All results are instant and the client often chooses to watch the live image on a monitor together with the RVI inspectors, so that immediate action can be taken on any problems found.

This equipment is commonly used for internal inspection of pipes, risers, tanks, tunnels, etc., where accurate documentation of internal condition is required.



## Equipment Specification:

Camera	High resolution super wide angle
Probe Diameter	28mm to 70mm
Inspection Distance	Up to 260 meters
Bends	2 bends (up to 4 in some cases)
Illumination	3 LED Lights
Sealing	Waterproof up to 1 bar
Control System	Joystick controlled
Operating/Charge Time	3 hours