



REMOTE VISUAL INSPECTION PRODUCT SHEET

Remote Visual Inspection



Accurately find and locate all defects in your assets the safer, better and faster way, without the need for human entry into your assets.

With 30x optical zoom, sub-millimetre accurate sizing, full photo and video recording options and sitting on our robust robotic platform, the remote inspection camera enables your inspectors to see all defects or cracks, whatever the angle.

Even the smallest defects – as small as 65 microns – are captured by our highest-quality visual inspection camera. In fact, the camera helps detect more defects than any other visual inspection technique, including dye penetrant examination.

Better than the human eye, our visual testing solution not only meets all visual inspection certification standards, but provides the highest quality images. All findings are streamed live to your asset inspectors. In this way, immediate repairs can be carried out if necessary.



- Live streaming and fully recorded HD feed
- 920 x 1080 resolution at 30 fps
- 30x optical zoom + additional digital zoom capability
- Integrated diffused lighting: detect 65-micron defects up close or 2 mm defects from > 10 m
- Operational temperature range: 0°C to 50°C
- Real-time streaming
- Integrated lighting



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3 reasons for using our robotic platform to check asset integrity

Safer

Minimize human entry into assets

No need for human entry into assets: the robotic crawler does all the inspection work while your inspectors remain at a safe distance and see any findings real-time.

Better

See more, more accurately

Detect and map defects thinner than a single hair (as small as 65 microns) that are impossible to see with the naked eye. Carrying NDT tooling of up to 5 kilos, our CE- and AVI-certified robotic platforms use fit-for-purpose NDT inspection solutions to assess asset health.

Faster

Maximise operational uptime and cut back costs

With a minimum set-up time, and without need to set up any scaffolding for inspection purposes, inspections can be conducted at significantly lower costs. Our versatile robotic crawler scales any smooth surface to detect and report critical defects real-time for immediate or next-day repair.

Data-driven maintenance planning

Get a full understanding of your asset integrity. Use comprehensive inspection data to track and localise issues over time with the utmost precision. All robotic inspections are fully repeatable.

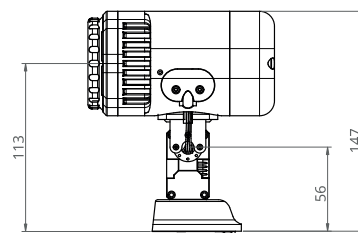
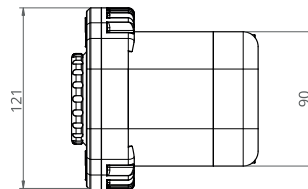
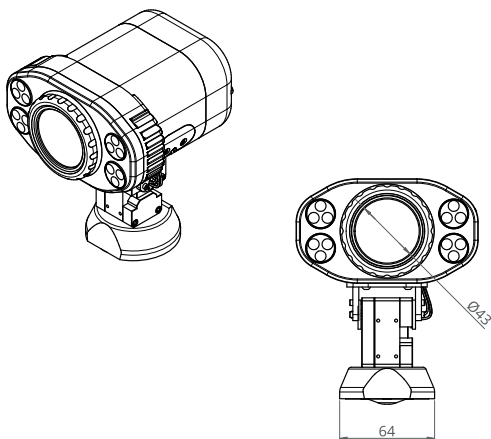
them crawling smoothly and securely over both non-magnetic and magnetic surfaces. Our versatile robots can even complete inspections hanging upside, also when carrying heavy NDT tooling.

Robust adhesion technology – also on non-magnetic surfaces

Whatever the surface, our robots go anywhere. Climbing or descending, our platforms' robust adhesion technology – including unique vacuum adhesion – keeps

Don't just take our word for it

See our robotic crawler at work. Request a demo or contact your local Invert Robotics sales representative for additional information. Our global network enables us to respond quickly to your inspection needs.





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Camera		
	V3.2	Belly Camera
Camera Specs (Stills)		
Sensor Frame Resolution (Megapixels)	2MP	2MP
Sensor Type	Exmor R CMOS	
Optical Zoom	30x	N/A
Camera Specs (Video)		
Maximum Frame Size	1920x1080	1280x720
Maximum Frame Rate	30fps	12fps
Compressed Video Format	H.264	H/264
Transmission method	RTSP	RTSP
Resolution at Max Zoom (lp/mm)		
Defect resolution	65 micron (close) 0.6mm at 10m	N/A