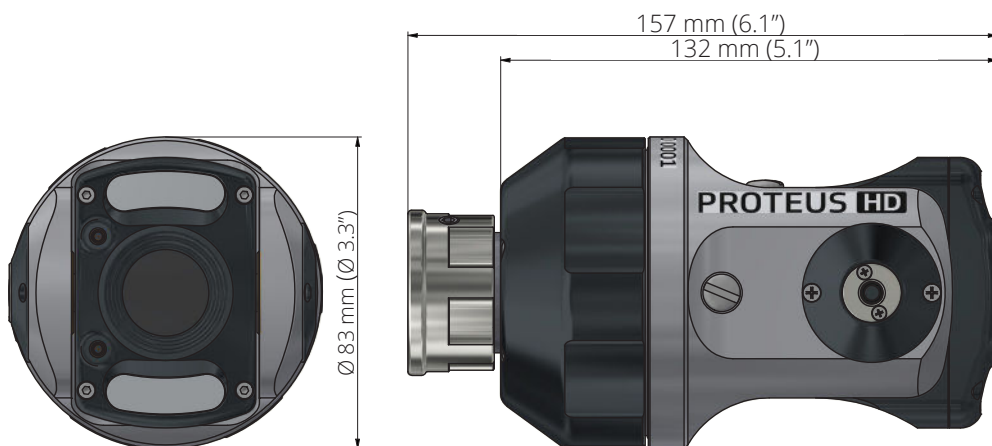


CAMERA

CAM090-HD

Minicam's CAM090-HD camera pairs with our upgraded CRP140-HD crawler to record full, 1080p, HD video for the inspection of pipes 140 mm (6") in diameter and larger. The full HD video stream delivers excellent detail and colour balance to operators, even when using CAM090-HD's 10x optical zoom to inspect pipe connections and lateral junctions. Additionally, automatic focus keeps the image sharp regardless of pipe size or zoom level.

Ample lighting is provided in the pipe using built-in LEDs, even when inspecting mainline pipes. CAM090-HD also features continuous 360° rotation and 135° of bi-directional tilt, ensuring you can see exactly where you need to. Finally, CAM090-HD is built with two independent laser measurements functions as standard: parallel lasers and an integral distance laser. The parallel lasers are used to accurately measure defect and object sizes, while the integral distance laser is used to quickly measure the pipe's diameter.



Technical Data

Image Sensor	1 $\frac{5}{8}$ /2.8 - Tyoe Sony IMX33g STARVIS CMOS Sensor
Resolution	1080p (Full HD 1920 x 1080)
Sensitivity	< 1.0 lux
Aperture	F/1.8 - 2.9
Field of View	46° ~ 4.6°
Zoom	120x (10x Optical, 12x Digital)
Focus	Auto (manual override)
Self-leveling Image	Toggleable motorised camera homing
Illumination System	6 LEDs
Illumination Intensity	Adjustable to 12.5k lux at 150 mm
Aligned Laser Spacing	30 mm (1.18")
Depth Rating	1 bar (14.50 psi)
Dimensions	Ø 83 mm / length 157 mm (Ø 3.3" / length 6.1")
Weight	approx. 1.1 kg (2.4 lb)
Pipe Diameter	90 mm - 600 mm (4" - 24")
Protection Class	IP68
Power	Typical 12 W Max 21W
Temperature	-10°C ~ +45°C