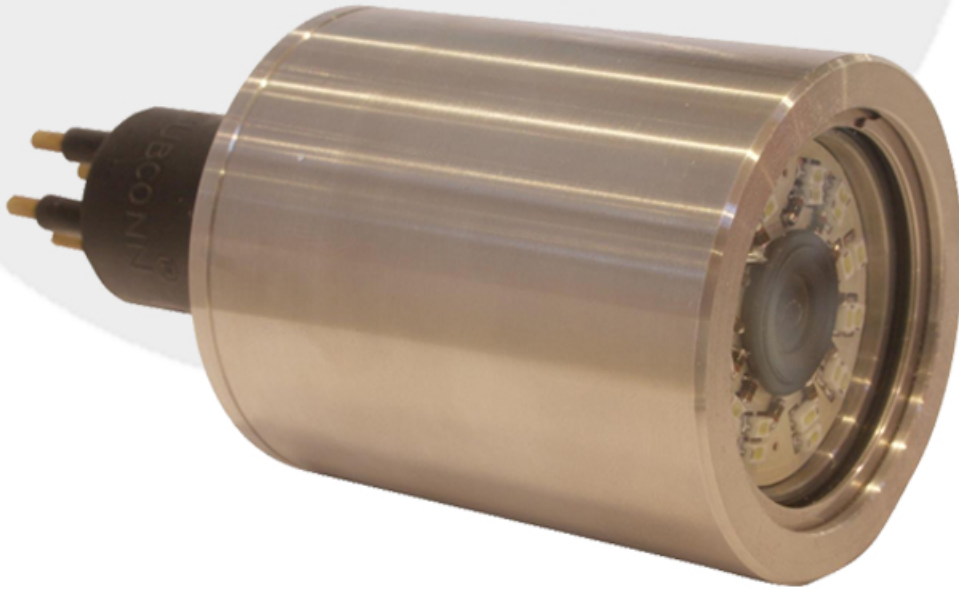




ROVTECH SOLUTIONS

Harsh Environment Problem Solvers



Rovtech Systems Mini LED Seacam is an underwater video camera boasting most of the features of the Micro Seacam in a slightly larger size but with the added function of being its own source of light. A ring of highbrightness white LEDs surrounding the camera view, lights the area in front of the camera.

The Mini LED Seacam is ideally suited for use in pipe inspection as the LEDs eliminate the need for a separate lamp, this combined with its small size and round shape allows it to be guided round pipes and conduits with relative ease.

The LED lighting can be dimmed which is particularly useful when operating in water and can reduce problems with backscatter and reflections from shiny objects.

The LED lighting is characteristically, significantly lower power than other sorts of lighting and generates very little heat and can therefore be manufactured in acetyl if required.

As the LEDs have no filament, the camera is resistant to vibration and hard knocks and the life expectancy of the high brightness white LEDs is significantly longer than that of standard bulbs. A range of sizes are available, the standard RSL being 82mm and 26mm (Camera Housing), however, specific modules can be manufactured if a specific requirement is needed.

Light Ring Specification

30 ultra white LEDs
12 x 20° inner viewing angle
18 x 50° outer viewing angle
100 candella at 20mA
225mA max
2.5w output
Internal regulator unit
Stainless steel housing (Aluminium or Acetyl optional)
Toughened glass front port
Subcon Standard Connector
54mm diameter
(Other sizes are available)
Depth rating 200m
14v-24v DC operation

Colour Camera Specification:

TV System: PAL
1/3" CCD Image Sensor
1 lux, F1.2
Lens/ViewAngle: 6mmf2.0/42deg
Resolution: 480 TVL
Auto iris
Video output: 1.0V pp composite
and video at 75 ohm
Gain control: AGC
Operation temp: 20°C to 50°C
Regulated Power: DC12V/65mA

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