

# DIVECAM-700M-AL

## Miniature Monochrome Camera



underwater **vision** specialists

## Features

- High Resolution Monochrome 700 TVL
- Low Light Sensitivity 0.01 Lux @ f2.0
- 65° Diagonal Angle of View
- 100 or 300 Metre Rated Aluminium Housing



## Description

The Bowtech Products DIVECAM-700M-AL miniature high resolution monochrome underwater CCD camera provides a low cost solution to shallow underwater viewing and observation to 100 metres.

The cameras are manufactured with high quality aluminium housing, rated to 100 metres operating depth as standard, with a 300 metre option. The camera is fitted with a fixed focus wide angled lens, giving a diagonal field of view of 65° in water through an acrylic window. The camera features as an option, built-in reverse polarity and surge protection.

The miniature, high quality 1/3" CCD sensor, offers high resolution and low light level sensitivity. It is the ideal camera for low light shallow viewing tasks.



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Last updated 25<sup>th</sup> April 2013  
Revision: 0

# Specification – DIVECAM-700M-AL

## ELECTRICAL

Resolution, Horizontal:	700 TV Lines
Minimum Illumination:	0.01 Lux @ f2.0
Sensor Type:	1/3" CCD
Sensor Elements:	752 (H) x 582 (V) PAL
Signal to Noise Ratio:	>50dB (AGC off)
Scanning:	625 Line 50Hz CCIR, 525 Line 60Hz EIA
Voltage:	12Vdc
Current:	100mA Maximum
Composite Video:	Output 1.0V pk-pk
Electro-magnetic Compatibility:	EN50081-1 Emission/EN50082-1 Immunity
MTBF:	80,000 hrs

## ENVIRONMENTAL

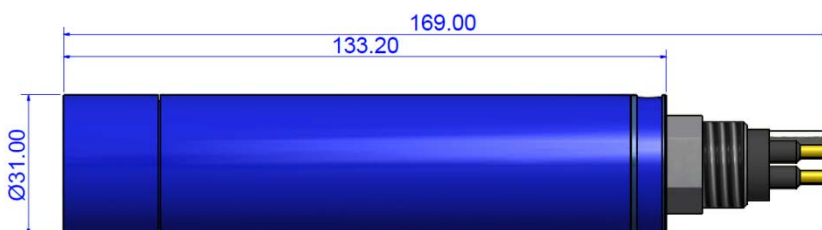
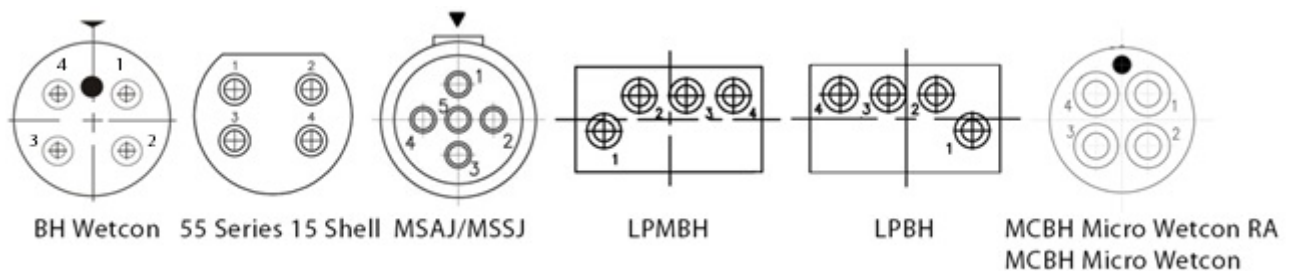
Water Depth:	100 or 300m Option
Storage Temperature:	-30 to +70°C
Operating Temperature:	-10 to +50°C
Shock 3 Axis (operating):	30g Peak, 6ms Half-sine Pulse

## OPTICAL

Lens:	f2.0 2.9mm or 3.6mm, 4.3, 6, 8, 12, 16mm
Auto Iris:	CCD Iris 1/50th to 1/100,000th. sec.
Focus:	Fixed 100mm to Infinity
Angle of View:	91° Diagonal in Air, 65° in Water (2.9mm lens)
Window:	Acrylic Window

## MECHANICAL

Maximum Diameter:	31mm (1.2")
Length:	133mm (5.2") Excluding Connector
Weight in Air:	163g (when fitted with MCBH4M)
Weight in Water:	95g
Standard Housing:	Aluminium
Standard Connector:	WETCON BH-4-MP or MCBH4M
Optional Connectors:	Large Selection of Connectors Available



(connector face patterns not to scale)



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