



DIVECAM-600M-AL MONOCHROME

**High Resolution
Monochrome
600 TVL**

**Low Light Sensitivity
0.005 Lux @ f2.0**

100 Metre Rating

Aluminium Housing

The Bowtech *DIVECAM-600M-AL* miniature high resolution monochrome CCD camera, one of the cameras in our Aqua Vision range, provides a low cost solution to shallow underwater viewing and observation to 100m.

The cameras are manufactured with a high quality aluminium housing rated to 100 metres operating depth as standard. The camera is fitted with a fixed focus wide angled lens, giving a diagonal field of view of 65 degrees in water through an acrylic window. The camera features 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.



DIVECAM-600M-AL

ELECTRICAL

| | |
|--------------------------------|---------------------------------------|
| Resolution, Horizontal | 600TV Lines |
| Minimum Illumination | 0.005 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 PAL |
| 525 Line | 60Hz NTSC |
| Power | 12VDC |
| Current | 100ma maximum |
| Composite Video | Output 1.0V pk-pk |
| Electro-Magnetic Compatibility | EN50081-1 Emission/EN50082-1 Immunity |
| MTBF | 80,000 hours |

ENVIRONMENTAL

| | |
|-------------------------|---|
| Water Depth | 100 metres (300m Option) |
| Temperature (Operating) | -10°C ~ +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 1/50 th ~ 1/100,000 th . sec. |
| Focus | Fixed 100mm ~ Infinity |
| Angle of View | 91° Diagonal in Air, 65° in Water (2.9mm lens) |
| Window | Acrylic window |

MECHANICAL

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



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