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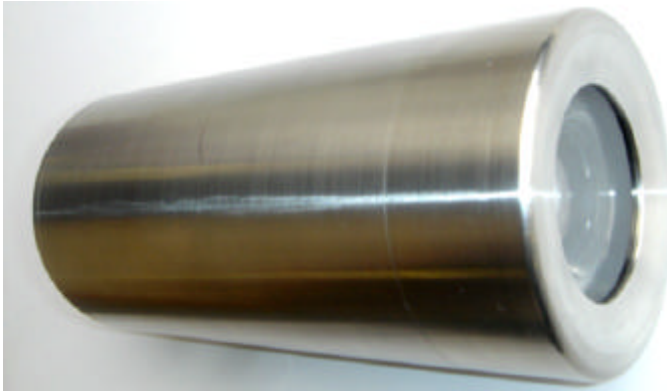
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## HYPER DIGITAL COLOUR CAMERA CC720ZML



The CC720ZML is a high resolution totally Digital Colour and Monochrome Camera with an 18:1 optical zoom and 12 x Digital Zoom. It is designed for harsh and unpredictable low light underwater use. The Camera has a depth rating of 1500ft MSW. The CC720ZML is equipped with a specially developed circuitry by Chalco Eleven known as the electric eye.

The Camera produces MPEG-2 compression and is a DVD-quality video. It supports 4 resolutions (highest being 720 x 576), it can also

be configured for NTSC. The Camera has a unique feature: it can be accessed by a number of people simultaneously provided they have the appropriate password. The Camera operates on its pre-loaded software built in to its circuitry. For zooming and for focusing along with auto and home - facilities appear on the user's screen. The still picture from the Camera is approximately  $\frac{3}{4}$  of a Mega Pixel.

The output video must go straight in to a computer and the Camera will allow the user to view its output and adjust its focusing or 18:1 optical zoom. The Camera will automatically focus and the automatic focus is set from 1cm to infinity; it can be overwritten manually.

The CC720ZML's inbuilt electronic eye will monitor light levels and automatically adjust to the environment. If the light levels fall below 0.3 lux @ F1.4 the Camera will automatically change to monochrome for low light operations producing a high resolution video. The Camera decides which light wavelength is the strongest and uses that to illuminate its image.

The totally digital CC720ZML produces a very high resolution MPEG-2 compressed video at 30 frames per second.

For best results the camera is to be used with CE-24/20LED CE Underwater Solid State Lighting System (see separate Data Sheet). This enhances the underwater visibility and replaces colours that are quickly lost due to the depth of water and the absence of natural light. The CE-24/20LED Light produces a wide beam angle, the light output is totally distributed thus eliminating hot spots allowing the user to go close up to its object.

The intensity of the Solid State Lights provide good general lighting for most types of work. Each Light Unit produces approximately 35 watts of halogen equivalent at 90° beam angle and only consumes 300mA @ 24V DC. Life expectancy : over 50,000 hours. As there are no filaments, it can withstand vibrations and direct hit without damaging the Light.

### CAMERA SPECIFICATIONS

1/3" ExView CCD chip

18:1 Optical Zoom

Electronic Auto Iris

Automatic White Balance Control

Colour and Monochrome

0.3 lux Colour 0.05 lux Mono

24V DC @ 750 mA

Total Pixels 720 x 576

Automatic Gain Control

30 Frames per Second

110mm D x 195mm L

12 x Digital Zoom Auto Focus

Working Depth of 1500ft MSW

MPEG-2 Compression