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TOPSIDE CAMERA CC551TS



The CC551TS is a high resolution Colour CCD Camera which incorporates its own luminance and is designed for harsh topside unpredictable low light environment. The Camera is fully sealed and can withstand direct 1000psi water jet. The CC551TS is equipped with a specially developed circuitry by Chalco Eleven known as the electric eye which works directly with the wavelength that is produced by the Luminance Circuitry in the Camera.

The CC551TS's inbuilt electronic eye will monitor light levels and automatically adjust to the environment.

The Camera decides which light wavelength is the strongest and uses that to illuminate its image. If the light levels drop to below 2 luminance, the Camera will switch on it's internal luminance circuitry, which will convert the Camera in to monochrome up to a distance of 10M.

The maximum sensitivity of the CC551TS is 850nm wavelength. Due to the high scanning rate, the Camera is ideal for viewing objects in motion or still. Blurring is totally eliminated. The CC551TS will produce high resolution colour pictures (greater than 470TVL) even at very low light levels. The Camera is provided with a fixed focus wide angle lens enabling the user to view a very large area with a single Camera without having to adjust any controls.

The CC551TS has a 500mm lead which is terminated with a power connector and a BNC male connector which supplies a composite video out and requires 11-13V DC to make the camera function. This voltage also feeds the luminance circuitry. The CC551TS comes in a PAL format although NTSC is optional.

One main advantage of having the luminance circuitry built in to the Camera is that it produces a special wavelength which is not visible to the eye but produces very little heat.

CAMERA SPECIFICATIONS

1/4 " Size CCD
Better than 470 TV Lines
Electrical Auto Iris
Automatic White Balance Control
Luminance Circuitry maximum 2,050 lumen
11 - 13V DC @ 499 mA

Total Pixels 795H x 596V
Automatic Gain Control
Lens Angle 65°
49mm D x 77mm L
Harsh Environment
Composite Video 1V p-p

Specification of the above can alter at any time without prior notice.