

Bowtech announce nuclear Surveyor-100 camera

2009-06-25 11:00:00 by Rons_ROV_Links



Bowtech Products continue to expand their AquaVision range of products, with the release of the Surveyor-100 colour zoom camera. This camera is ideally suited to Nuclear applications, although with its 100 metre rating it also makes for a quality, yet cost effective shallow water viewing solution.

In an irradiated environment the Surveyor-100 with its 36:1 optical zoom allows the camera to be located further away from the subject being viewed, compared to traditional cameras. This reduces the effects of radiation, resulting in an increased camera life.

An electro polished stainless steel housing with a Spectrocil non browning fused silica window further enhances the longevity.

- 530 HTV Lines
- 36:1 Optical Zoom
- Low Light Sensitive
- Wide Dynamic Range
- 316 Stainless Steel Electro Polished Housing
- Spectrocil non browning fused silica window

One of the many unique features of this camera is the advanced backlight compensation technology that dramatically improves the camera's dynamic range, resulting in clear image reproduction in extreme high-contrast environments, known as wide dynamic.

The camera captures the same image twice, first with a normal shutter speed and then with a higher shutter speed. The dark areas are captured at normal shutter speed and the bright areas are captured at high shutter speed. These are then combined into one image using an advanced DSP LSI, thus clearly reproducing high-contrast images of the original scene.

<http://www.rovworld.com/modules.php?name=News&file=article&sid=3313>