

## DXC-390

Compact three 1/3-inch Exwave HAD CCD colour video camera



### Overview

#### **A 1/3 inch type DSP camera incorporating Exwave HAD**

Providing a resolution of 800 TV lines this is ideal for applications in microscopy, industrial inspection, and remote camera systems, where picture accuracy and detail are important.

#### **User friendly**

An on-screen menu allows for simple control of various features including DynaLatitude, Partial Enhance, and a wide selection of Automatic Exposure (AE) modes.

#### **Easy to install**

Very compact [56(W) x 50(H) x 128(D)] and lightweight (370 g).

### Features

#### **High picture quality**

Incorporating three 1/3 type IT CCDs, the camera produces a high resolution of 800 TV lines and a high S/N ratio of 62 dB (NTSC), 61 dB (PAL). Featuring Sony's new Exwave HAD it provides excellent sensitivity and low smear levels.

#### **Digital Signal Processing (DSP)**

New Sony 10-bit DSP technology increases picture reliability. This model has several DSP functions for powerful picture controls.

#### **Picture contrast controls**

Including DynaLatitude which automatically adjusts contrast corresponding to the brightness signal level of the entire image; DCC+ (Dynamic Contrast Control Plus) for automatic avoidance of hue distortion; and Black stretch which enhances the gradation of dark areas by compressing the range of the brightness signal in these areas.

#### **Picture enhancement controls**

Includes Digital Detail for adjusting sharpness; Linear Matrix for enhanced colour reproduction and Partial Enhance, which softens a specific colour by altering its hue, saturation and detail.

#### **AE (Automatic Exposure)**

Automatically controls the level of brightness by varying the exposure times. This model is equipped with a number of convenient modes for adjusting the standard brightness level, the conversion speed to suit applications under varying lighting conditions; and light metering.

#### **Electronic shutter functions**

An array of functionality built into the CCD includes: variable speeds making it possible to capture blur-free, clear images of high speed moving objects up to 1/100,000; Long term exposure for a variety of manually selected speeds; Clear Scan which eliminates the horizontal bands that appear across the screen when shooting a computer display; CCD IRIS which automatically reduces the exposure in

a range equivalent to 10 f-stops when the level of incoming light exceeds the auto iris adjustment range.

### **Compact and lightweight**

56(W) x 50(H) x 128(D) mm (2 1/4 x 2 x 5 1/8 inches), 370 g (13 oz).

### **C mount**

For extensive choice of lens.

### **Scene files and user files**

Scene Files: The preset files are set to accommodate four different situations (Standard/Microscope/Full Auto/Strobe). User Files: Allows user to set two custom parameters in the menu for instant recall.

### **Hyper Gain (+30 dB)**

Useful to capture images in dark conditions.

## Gallery



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