Colour DSP 1/4" CCD Camera

Description

The CCT508 colour camera uses a high sensitive 1/4" Sony Super HAD CCD and solid state circuitry that provides long life and high reliability. It offers excellent image quality and is not subject to magnetic field distortion. The camera is highly resistant to shock and vibration and is easy to install.

MAIN FEATURES

Colour camera with a 1/4" CCD sensor in a metal case.
Includes a 2.5mm fixed iris lens & mounting bracket.
Employs Digital Signal Processor (DSP) image control.
Pixel number PAL = 320,000.
Reduced fixed pattern noise and lag.
No image distortion and blooming suppression.
Supports: Auto Electronic Shutter (AES)
Auto Gain Control (AGC)
Auto White Balance (AWB)
Auto Back Light Compensation (ALC)
Audio Output.
Built in microphone and audio amplifier.
Supports both C and CS mount lens (optional).
12volt DC 150mA low power consumption.

Installation Precautions:

1) Do not allow water ingress.
2) Do not touch the CCD element. If necessary use a soft cloth moistened with alcohol to wipe away dust.
3) Do not shake the camera.
4) Avoid places where there is direct sunlight.
5) When using this camera where lighting differs greatly, it is recommended that a Manual Iris Lens is utilised with an ND filter.
6) Avoid places where temperatures can exceed 50ºc, high humidity, direct rainfall, frequent vibrations or shock.
7) During the night, if a minimum brightness of 0.5 LUX cannot be achieved, install additional lighting.

Kit Contents:

1   CCT508 Colour DSP 1/4" camera
1   Base Plate
1   Camera Mounting Post
3   Mounting Screws and wall plugs
1   2.5mm fixed iris lens (Other fixed lenses can be fitted to this camera)
1   camera mounting bracket
1   Instruction sheet

Installation Instructions:

1) A 2.5mm fixed iris lens is supplied with this camera. Other lenses can be fitted. If using a CS mount lens, remove the C Mount Ring.
2) Connect the BNC video output to the monitor or other device utilising a 75 Ohms type co-ax cable. We recommend the RG59 co-ax cable.
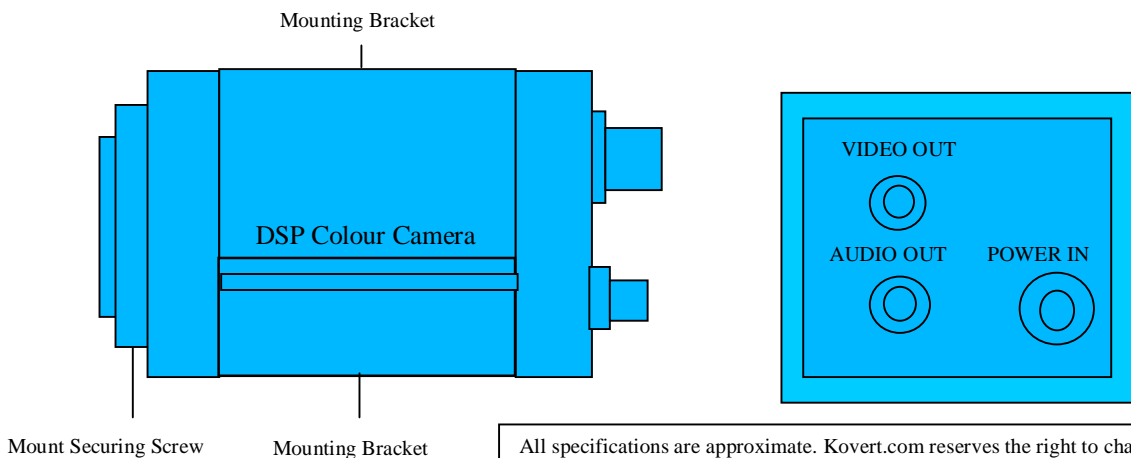3) Connect the power source using the DC jack. The camera uses a 12v DC supply at 150mA.

Operating Instructions

1) Adjust the focus and iris of the lens to obtain the best picture.
2) If the subject cannot be correctly focused when adjusting the focus, adjust the Back Focus as follows:
   a) Set the Lens Focus Ring to infinity
   b) Aim the camera at a subject at a distance of more than 20 metres away
   c) Loosen the Mount Lens securing screw using an Allen Key
   d) Turn the Lens and the Lens Mount together until the subject is in focus and the image clear
   e) Tighten the Mount Lens securing screw.

SPECIFICATIONS

TYPE	CCT508 1/4" DSP COLOUR CCD CAMERA
Image Pick-up Device	1/4" Sony Super HAD CCD sensor
Picture Elements	PAL:500(H)x582(V)
Horizontal Resolution	380 TV lines
Minimum Illumination	0.5 LUX @ F1.2
S/N Ratio	More than 48dB
Auto Electronic Shutter	PAL:1/50s - 1/100,000s
Lens Mount	C or CS mount adjustable (optional)
Auto Gain Control	Yes
Auto White Balance	Yes
Back Light Compensation	Auto detect
Gamma Characteristic	0.45
Synchronous System	Internal. Negative sync.
Video Output	1 Vp-p / 75 Ohms. BNC
Power Supply	12V DC±10% / 150mA
Audio	Microphone and Amplifier (2 Vp-p / 50 Ohms) RCA connector
Operating Temperature	-10 to 50°C (14 to 122°F)
Weight	185g

Note: Design and specifications are subject to change without prior notice.

Mounting Bracket

DSP Colour Camera

VIDEO OUT

AUDIO OUT   POWER IN

Mount Securing Screw   Mounting Bracket

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