

KJM



C50

Marine Grade Mini Dome Camera
Fixed Lens with Day/Night capabilities

Installation and Operation Guide

KJM is dedicated to providing the finest in shipboard cameras and video equipment. Our high quality cameras are built to withstand the harsh marine environment, and are designed by people with over three decades of experience in the marine industry. KJM cameras provide crystal-clear images of whatever you need to monitor, from the engine room to the aft deck. Built to exacting standards from the finest materials, KJM products are rugged, available in a wide variety of styles and configurations, and will work with most marine monitors or Chart Plotters. No matter what your marine surveillance requirements, KJM has a product to meet your needs.

Please read the following pages before attempting installation to ensure complete understanding of the KJM C50 camera.

Precautions

- To reduce the risk of electric shock, do not remove or disassemble the camera as there are no user serviceable parts inside.
- This product must be installed by qualified service personnel or system installers.
- Do not operate beyond its specified temperature, humidity and power source ratings.
- Clean only with a dry cloth.

If you require additional support for the installation or use of this camera please contact us via email at info@kjm-holdings.com

FEATURES

- Stylish and designed from the ground up for demanding marine installations.
- Ideal onboard larger leisure yachts, commercial vessels and work boats alike.
- 12 Infra-Red LEDs for true day / night operation
- 3.6mm fixed lens

ACCESSORIES



POW-5

Five Meter Power Cable



BNC-5

Five Meter Video Cable



COMB-25

25 Meter Video and Power Cable



AMP1/4

Video Amp

INSTALLATION

Electrical Connections

1. DC connection

- 2.1 mm power plug
- +12VDC - current 800mA
- Center pin + +12VDC
- Body = Ground

2. Video input

- BNC female
- Input: 1vP~P, 75 Ω Composite video,
- Center pin: Video positive, Body: Video ground

CAUTION: Be careful not to pinch video or power cables during installation.

1. Using the supplied hex key remove the camera base.
2. Drill a 9/16" (15mm) hole for the camera's cables, and 3 pilot holes for the base mounting screws.
3. Carefully feed the cable through the mounting base and attach the base using 3 screws. Do not pinch the cable.
4. Re-assemble the camera using the hex key.

SPECIFICATIONS

SPECIFICATION	C50 and C50R
Dimensions	2.4"W x 1.8"H x 2.4"D
Weight	7.2 oz.
Material	Aluminum, White Power Coat Finish
Environmental Rating	IP66
Camera	Fixed 1/3" SONY CCD, NTSC
Camera Resolution	420 TVL, Low Illumination
Lens	3.6mm Fixed
Reverse image	Yes with C10R camera version
IR Illumination	12 LED's / IR Distance 50 FT
Usable Illumination	0 Lux / F2.0 (LED On)
Connections	Video: BNC Female, Power: DC 2.1mm Jack
Output Signal / Signal to Noise	Composite Video 1V P-P 75 Ohms / 48dB or More (AGC Off)
Operating Temp	14F to 122F
Power	12VDC, 300mA (Max LED On)

FCC STATEMENT

NOTE: This equipment has been tested and found to comply with the limits for a Class "A" digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the users will be required to correct the interference at their own expense.

FCC CAUTION: To assure continued compliance, use only shielded interface cables when connecting to computer or peripheral devices. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This Class A digital apparatus meets all the requirements of the Canadian Interference Causing Equipment Regulations. WARNING- This product contains chemicals known to the state of California to cause cancer, birth defects or other reproductive harm. Wash hands after handling.

LIMITATION OF LIABILITY

- This publication is provided "AS IS" without warranty of any kind, either express or implied, including but not limited to, the implied warranties of merchantability, fitness for any particular purpose, or non-infringement of the third parties right.
- This publication could include technical inaccuracies or typographical errors. Change are added to the information herein, at any time, for the improvements of the publication and/o the corresponding product(s).

DISCLAIMER OF WARRANTY

In no event shall the supplier be liable to any party or any person, except for replacement or reasonable maintenance of the product, for the cases, including but not limited to the following:

- Any damage or loss, including but without limitation, direct or indirect, special, consequential or exemplary, arising out of or relating to the product.
- Personal injury or any damage caused by inappropriate use or neglect of the user.
- Unauthorized disassembly, repair or modification of the product by the user.
- Any problem, consequential inconvenience, or loss or damage, arising out of the system combined with the devices of the third party.
- Any claim or action for damages, brought by any person or organization being photogenic subject, due to violation of privacy with the results of the camera's picture, including save3d data, for some reason, becomes public or is used for the purpose other than surveillance.