

IM-ERC-02

marine grade engine room camera



USER GUIDE

IM-ERC-02 SERIES COLOUR CAMERA

Water Resistant Day / Night Infra Red Colour Camera

WARNING: READ BEFORE USE



CAUTION
ELECTRIC SHOCK RISK. DO NOT OPEN



TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER OR DISMANTLE DEVICE. NO USER SERVICEABLE PARTS INSIDE. IN THE EVENT OF MALFUNCTION OR PRODUCT FAILURE CONTACT YOUR DEALER.

DO NOT ATTEMPT TO CONNECT TO ANY POWER SUPPLY OUTSIDE OF THE RATING SPECIFIED IN THE SPECIFICATION TABLE OR GUIDELINES DETAIL WITHIN THIS DOCUMENT.

Dimensions	66mmØ x 188mm
Weight	300g
Material	Stainless Steel / White Powder Coat Finish
Imaging	1/3" SONY CCD
Horizontal Resoluiton	420 TVL Low Illumination
Pixels	510(h) x 492(v)
TV System	PAL / NTSC
Scanning	2:1 Interlaced
White Balance	Automatic
Synchronization	Internal
Output Signal	Composite Video 1V P~P 75Ω
Usable Illumination	0 Lux / F2.0 (LED ON)
Shutter Speed	Auto:PAL 1/50~1/100,000 Sec ; NTSC 1/60 ~1/100,000 Sec
IR Status	Under 10 Lux by CDS
Connections	Video via BNC Female / Power via DC Jack 2.1mm
Lens	3.6mm Fixed
Illumination	23 Pieces / IR Distance = 20 meters
Power	DC12V 300mA
Operating Temperature	-10°C ~ +50° Relative Humidity 95% Max
Environmental Rating	IP68
Signal / Noise	48db or more (AGC OFF)
Gamma	0.45

INTRODUCTION

Water Resistant Day / Night Infra Red Colour Camera

The IM-ERC-02 General Purpose Water Resistant Camera adopts the latest SONY technology, CCD Sensor and driver.

Key features of the ERC-02 are it's attractive, stylish housing, environmental protection (IP68), ease of installation and setup and high resolution.

Built-in Infra Red LED's operate automatically in low light to provide visibility in complete darkness.

The IM-ERC-02 is perfect for use as an engine room camera, a back-up or docking camera, or part of an on board security system.

Please ensure installation is carried out by qualified engineer and that the device is properly connected to the power source. This equipment must be suitably isolated to prevent damage or risk of injury. For further technical support please contact your dealer, or Iris Innovations using the contact details within this document.

CONNECTIONS



Reverse Image Version

ERC-02 cameras with reverse (or mirror image) functionality have a DIP switch fitted to the inside of the housing. To select the reverse image feature simply slip off the sun visor and unscrew the front of the camera housing.

Set switch 1 to ON for reverse image. Set switch 1 to OFF for standard image.

The ERC-02 camera is fitted with a cable tail which has a 2.1mm DC Jack for the power and a female BNC connector for the video signal. The polarity of the power connection is center pin = +12V, connector body = Ground.

Use a suitable coaxial cable with an impedance of 75Ω for the video signal or a suitable Video Balun if using Cat 5 cable.

Ready made power, video and combination cables are available from Iris Innovations.

Before using your camera please read and understand these safety instructions.

Warning:

This product contains chemicals known to the state of California to cause cancer, birth defects or other reproductive harm. Wash hands after handling.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions may cause harmful interference to radio communications. If this equipment does cause interference to radio or television reception the user is encouraged to try to correct the interference by one or more of the following measures:

Reorientate or relocate the receiving antenna.

Increase the separation between the equipment and transmitting / receiving device.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult your dealer or a qualified CCTV engineer for help.

Declaration of Conformity

Model Number: IM-ERC-02

Trade Name: Iris Marine

Responsible party: Iris Innovations Limited

Address: Sailmakers Loft, Kingscospse Farm, Tanhouse Lane, Botley, Southampton SO30 2SZ. United Kingdom.

Telephone: +44(0)1489 798484

This device complies with Part 15 of the FCC Rules. Operation is subject to the following rules:

- (1) this device may cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Electrical and electronic equipment, batteries, battery chargers and equipment housings, at the end of their life should be disposed of separately from your household waste. Please dispose of all components correctly at your local waste collection / recycling centre.

Iris Innovations Limited

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