

IRIS095

fixed long range infra red night vision camera



**USER
GUIDE**

IRIS095 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	207mm x 96mm
Weight	900g
Material	Aluminium Hard Anodised / White Powder Coat Finish
Imaging	1/3" SONY Super HAD II CCD
Horizontal Resoluiton	680 TVL Low Illumination
Pixels	PAL: 752(H) x 582(V) NTSC: 768(H) x 495(V)
TV System	PAL / NTSC
Scanning	PAL:625 Lines, 50 Field/Sec; NTSC:525 Lines, 60 Field/Sec
White Balance	Automatic
Synchronization	Internal
Output Signal	Composite Video 1V P~P 75Ω
Usable Illumination	0 Lux / F1.2 (LED ON)
Shutter Speed	Auto:PAL 1/50~1/100,000 Sec ; NTSC 1/60 ~1/100,000 Sec
IR Spectrum	850nm
Connections	Video via BNC Female / Power via DC Jack 2.1mm
Lens	12mm Fixed as Standard
Illumination	2 Pieces / IR Distance = 100 meters
Power	DC12V 300mA
Operating Temperature	-10°C ~ +60° Relative Humidity 95% Max
Environmental Rating	IP66
Signal / Noise	48db or more (AGC OFF)
Gamma	0.45

INTRODUCTION

Fixed Long Range Infra Red Night Vision Camera

The Iris-095 is a high performance, long range Infra Red night vision camera which offers up to 100 meters of visibility in total darkness.

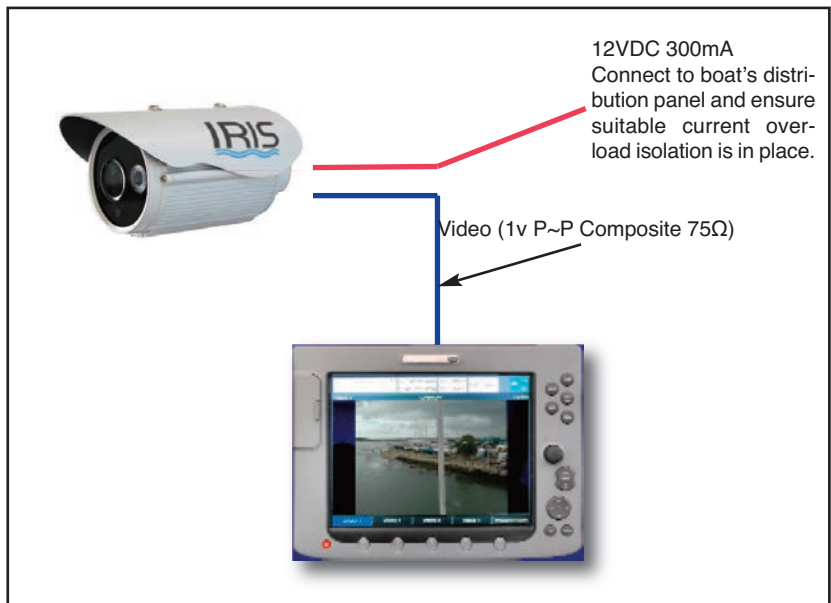
The camera can be used in a wide spectrum of applications, from navigation at night for pleasure craft through to search and rescue operations and law enforcement activities.

The camera incorporates a high resolution 680 TVL CCD imaging sensor and two powerful Infra Red illuminators that cast an invisible beam to enable the camera to function in total darkness.

The housing and sunshield are manufactured from top grade materials and powder coated in a unique modern marine colour finish.

The camera is supplied with a three year guarantee. Please contact your dealer for more information on how to register your product.

CONNECTIONS

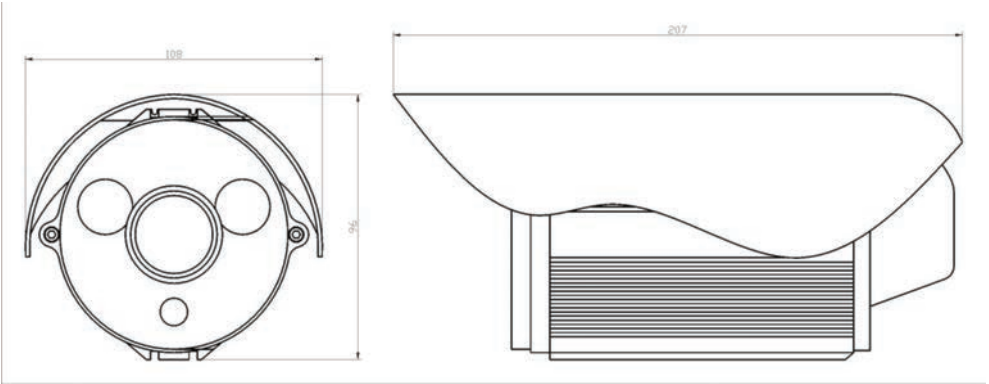


The IRIS095 camera is fitted with a cable tail which has a 2.1mm DC Jack for the power and a female BNC connector for the video signal. The polarity of the power connection is center pin = +12V, connector body = Ground.

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.

Dimensions



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.

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.

Declaration of Conformity

Model Number: IRIS-095

Trade Name: Iris Marine

Responsible party: Iris Innovations Limited

Address: Units 8&9 Swanwick Business Centre, Bridge Road, Swanwick. Hampshire SO31 7GB. United Kingdom
Telephone: +44(0)1489 570797

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.



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