

Peak White Inverter

Installation Instructions

Introduction

The MOLYNX Peak White Inverter eliminates highlights that cause auto iris lenses to stop down (eg. torches, car headlamps) by converting the highlights to a preset grey level. The grey level and the brightness threshold are fully adjustable.

Installation

- Notes:**
1. The Peak White Inverter will only operate with AC coupled cameras.
 2. The Peak White Inverter is fully compatible with colour cameras.

Connection Details (refer to fig1,2 & 3)

VIDEO IN - Connect the video out from the camera to the VIDEO IN on the Peak White Inverter.

VIDEO OUT - Connect a monitor or a switcher to the VIDEO OUT on the Peak White Inverter.

12V, 0V and AI - Connect the auto iris lens to the Peak White Inverter as follows:-

Auto Iris	Peak White Inverter
12V - RED	12V
0V - BLACK	0V
Auto Iris - WHITE	AI

BYPASS - Connect the screw terminal marked bypass on the Peak White Inverter via a switch to the screw terminal marked 0V.
Note:- In place of a switch, spare relay contacts on a telemetry receiver can be used.

Powering the Peak White Inverter

- Notes:-**
1. A 12V DC power supply unit is available from Molyntx which is sufficient to power both the Peak White Inverter and most 12V DC cameras.
 2. If the Peak White Inverter is to be powered from the camera's auto iris supply (refer to fig.3), the power supply from the camera must have sufficient current available to supply the Peak White Inverter and the lens (Check with manufacturers instructions).

FIG.1.

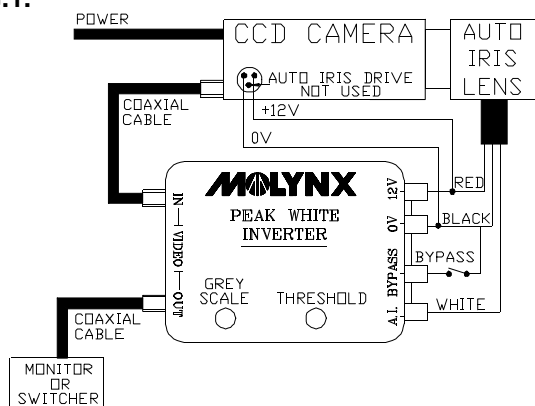


FIG.2.

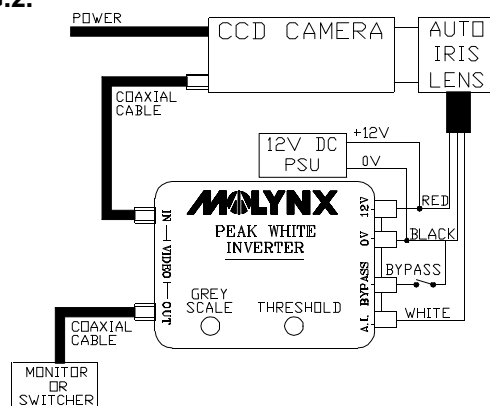
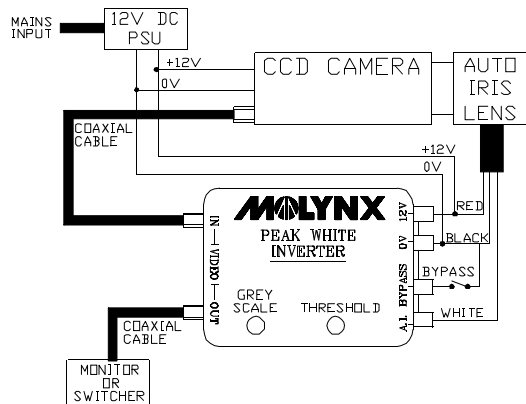


FIG.3.



Setting Up Procedure

There are two controls, (accessed through the holes on the top of the Peak White Inverter) which need to be set as follows:

a) THRESHOLD

This is set by the user to the brightest level at which he/she wants inversion to take place. ie. the highlight level at which the bright areas change to black.

b) GREY SCALE

This is adjusted to set the grey level between BLACK and LIGHT GREY, that the user wants the highlights to change to.

Note:- Use a plastic trimming tool to adjust pots.

Specifications

Case:	High impact polystyrene
Dimensions in mm (LWH):	92 x 50 x 20
Weight:	78g

Electrical

Input Voltage:	12V DC
Current Rating:	25mA
Video Input:	1V peak to peak 75 Ohm termination Standard BNC
Video Output:	1V peak to peak 75 Ohm termination Standard BNC

Lens connections via screw terminals.

DECLARATION OF CONFORMITY

according to EN 45014

Name of Manufacturer : Molyntx Limited

Address of Manufacturer : Albany Street,
Newport,
Gwent
NP9 5XW
United Kingdom

declares that the product(s):

Product Name : Peak White Inverter

Model Number(s) : VID149

Product Options :

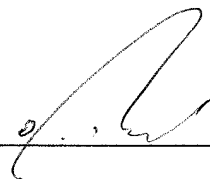
conform to the provisions of the EMC directive (89/336/EC, as amended).

The following Harmonised European Standards have been applied:

EN 50 081-1: 1992	Electromagnetic Compatibility - Generic emission standard.
EN 50 082-1: 1992	Electromagnetic Compatibility - Generic immunity standard.

I declare that as the authorised responsible person, that the products herewith are in conformity with the stated standards and other related documents following the provisions of the EC Electromagnetic Compatibility Directive.

Newport, Gwent.
18 December, 1995



Dr. Olinga Ta'eed
Managing Director.