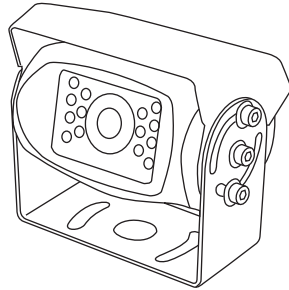
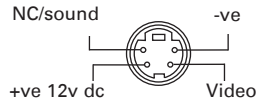


# Durite Colour I/R Waterproof Single-Wire Camera

# DURITE® COLOUR I/R CCTV SYSTEM 12 - 24 VOLT Part 0-776-00



## GENERAL

The camera has a CMOS image sensor which gives a high quality picture and its solid state circuitry provides extremely long life. Compact size and single connection make it easy to install. Automatic gain control (AGC) provides a clear image in both strong sunlight and low light conditions, if lighting conditions fall below a set level the Infra-red LEDs will illuminate; note the image will be monochrome when using IR illumination. It is recommended that all camera lead connections are additionally sealed by either wrapping with a suitable tape or application of heat shrink sleeving, 19mm ID, over the joint of the connector.

It is recommended to connect the system and test before fixing to ensure the correct field of view is displayed. Drill a 20mm hole for the cable entry and fit the grommet to the through body hole. If fitting to an isolated return vehicle chassis the camera bracket should be isolated from the chassis.

## CAMERA SPECIFICATIONS

Pick up element.....	1/3" CMOS image sensor
Sensitivity.....	1 lux @ F2.0 / 0 Lux with IR on
S/N ratio.....	48 dB
Electronic shutter.....	Auto
Lens.....	f 3.68mm
Video output.....	1 Vpp, 75 Ω
AGC.....	Auto
Power supply.....	12 volt dc
Power consumption.....	50mA / 210mA IR on
Weight.....	450 g
Dimensions .....	l 84 x w 79 x h 83mm
Operating temperature.....	-40°C to +85°C
Protection .....	IP68

## WARNINGS

Before using this unit please read these instructions carefully. Take special care to follow the warnings indicated on the unit itself as well as the safety suggestions listed below. Keep these instructions for future reference.

**⚡ HIGH VOLTAGES WITHIN THIS EQUIPMENT. RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER.**

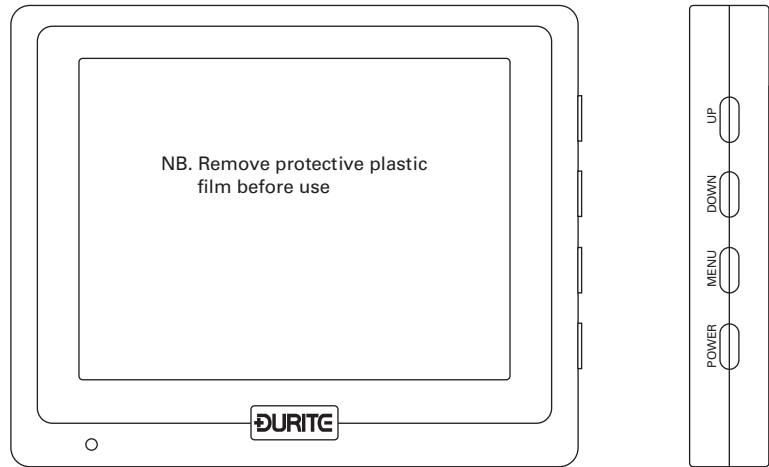
## PRECAUTIONS



**⚠ WARNING:** The vehicle safety vision system is designed to be used with, not instead of other viewing aids in your vehicle. The manufacturer shall not be held liable for any accidents which occur while operating this system.

- \* **Power Source** - The monitor should be connected to a 12 - 24 volt dc power supply only.
- \* **Water and Moisture** - Do not use the monitor where it may be subject to water ingress or excessive moisture. Do not use outside the vehicle unprotected.
- \* **Heat** - Do not install the monitor or camera near a direct heat sources.
- \* **Ventilation** - The monitor should be situated to allow free circulation of air.
- \* **Foreign Material** - Care should be taken so that objects do not fall onto or into, and that liquids are not spilled on the monitor.
- \* **Mounting Surface** - The monitor should be mounted to a strong secure surface.
- \* **Replacement Parts** - Use only manufacturers replacement specified parts. Unauthorised substitutions may result in fire risk, electric shock or other hazards and will void the warranty
- \* **Service** - The user should not attempt to service this units beyond that described in the operating instructions. There are no user-serviceable parts within the unit.
- \* **Isolation** - When fitting to an isolated earth vehicle the camera and monitor bracket must also be electrically isolated from the vehicle chassis. If interference is experienced on earthed chassis vehicles electrically isolating the camera from the chassis should eliminate the interference.
- \* **Screen Protective Film** - Remove the LCD screen protective plastic cover before use.

## MONITOR CONTROLS



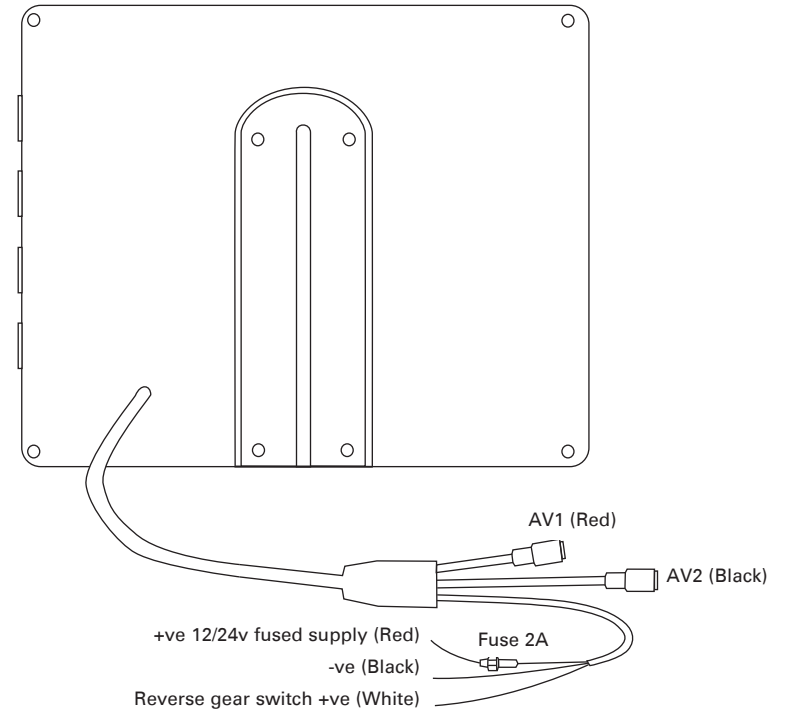
### MONITOR CONTROLS AND INPUTS

When the unit is first connected to a power supply it will automatically display the last selected AV input. Pressing the POWER button will switch the monitor into standby, the unit will remain in standby until switched on by either the POWER switch or the reverse gear switch.

- POWER Button** - Pushing the 'POWER' button switches the unit between standby mode and on, where it displays the last selected AV input. The monitor will automatically power up and display AV2 (black), in mirror image mode, when the reverse gear switch is connected and reverse gear is selected.
- MENU Button** - Pushing the 'MENU' button cycles through the on-screen menu: Volume, Mute, Contrast, Brightness, Colour and Mirror. The on-screen menu will automatically switch off after 5 seconds if no further buttons are pressed. The Mirror ON selection will cause both AV inputs to be displayed in mirror image, the AV2 input will always display in mirror image when it is triggered by the reverse gear switch regardless of the Mirror selection.
- UP/DOWN Buttons** - Pushing the 'UP/DOWN Buttons' adjusts the setting, from 0 to 100 of the selected on-screen mode. With the on-screen menu unselected the arrow buttons cycle between AV1(red) and AV2 (black). There may be a small delay of up to 2 sec before the new image appears.

**Note:** Please remove the LCD screen protective plastic cover before use.

## MONITOR CONNECTIONS



### MONITOR CONNECTIONS

- AV1/AV2 Camera Picture Signal Input** - One or both of the camera input connectors can be used to connect to the cameras. (dc power supply to the cameras is fed through these connectors). AV2 (black) should be used for the priority reverse camera.
- DC 12-24 Volt Power Supply Leads** - Ensure the wires are connected correctly to prevent damage. Connect the red wire with fuse holder to a ignition switched positive feed, white wire to the reverse gear switch (+ve) and the black wire to the vehicle chassis ground (negative earth systems only).

**Note:** The monitor can be supported by or suspended by the mounting bracket to allow various installation locations within the vehicle.

### MONITOR SPECIFICATIONS

Display Screen Size.....	126.5 x 100mm
Power Source.....	DC 12 - 24 volt
Power Consumption.....	8 watt
Pixels Number .....	960 x 234
System.....	NTSC/PAL (auto switch)
Operating Conditions Temperature:.....	0°C to +60°C
Storage Temperature .....	-25°C to +80°C
Humidity .....	Rh 90%
Dimensions.....	155 x 123 x 23mm
Weight (gross).....	380g