

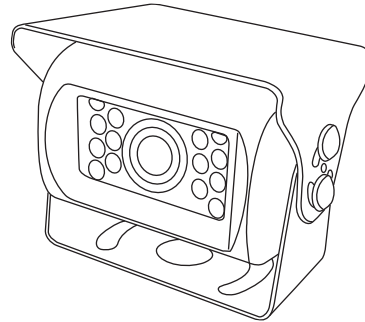
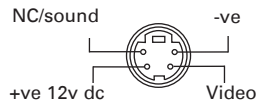
Durite Monochrome I/R Waterproof Single-Wire Camera

DURITE[®] MONOCHROME I/R CCTV SYSTEM 12 - 24 VOLT Part 0-775-00

WARNINGS

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

⚡ HIGH VOLTAGES WITHIN EQUIPMENT. RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK).
⚠ There are no user-serviceable parts within the unit, refer servicing to qualified service personnel.



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. 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..... | 280 g |
| Dimensions | l 76 x w 64 x h 66mm |
| Operating temperature..... | -20°C to +55°C |
| Protection | IP68 |

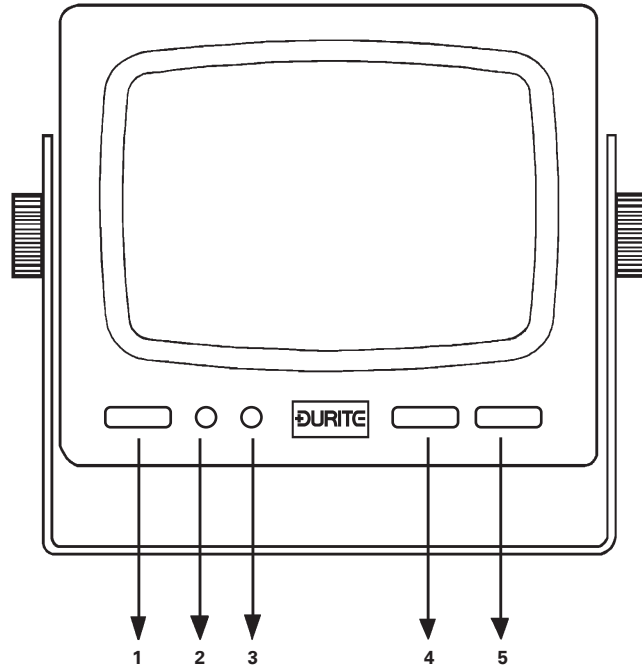


WARNING: The vehicle safety vision system is designed to be used with, not instead of other viewing aids in your vehicle. The manufacturer shall not be held liable for any accidents which occur while operating this system.

PRECAUTIONS

- * **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.
- * **Heat** - Do not install the monitor/camera near 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 on or into and liquids are not spilled on the monitor.
- * **Mounting Surface** - The monitor should be mounted to a strong level surface.
- * **Replacement Parts** - Use only manufacturers specified parts. Unauthorised substitutions may result in fire risk, electric shock or other hazards.
- * **Service** - The user should not attempt to service these units beyond that described in the operating instructions. All other servicing should be referred to an authorised service technician.
- * **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.

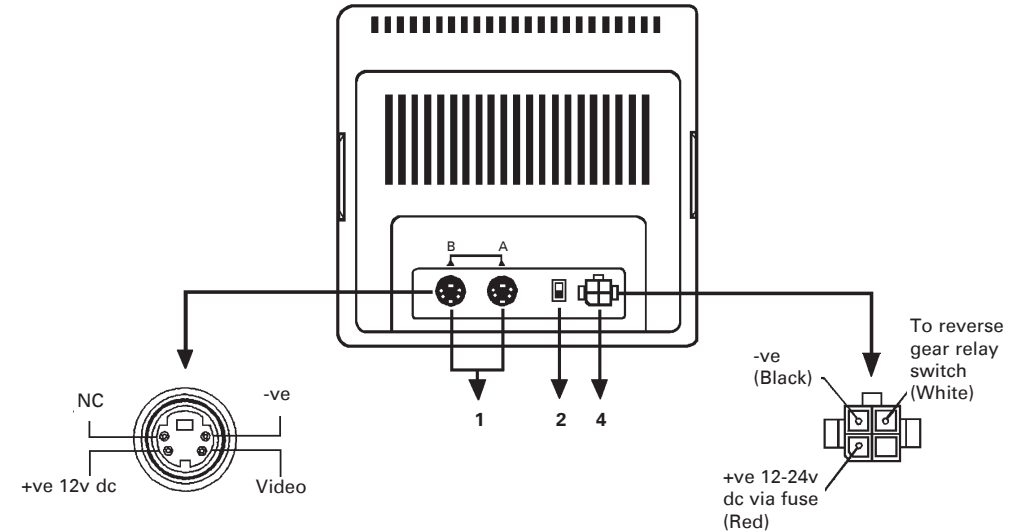
MONITOR FRONT CONTROLS



MONITOR FRONT CONTROLS

- 1. Power-on Switch** - Normally leave the switch unpushed when the monitor is used as a reversing view aid. The monitor will automatically display camera A view when reverse gear is selected. With the reverse gear unselected and the power switch pushed in the camera view selected by the A/B switch is displayed.
- 2. Contrast Control** - Adjusts the contrast of the display, clockwise to increase.
- 3. Brightness Control** - Adjusts the brightness of the display, clockwise to increase.
- 4. A/B Camera Switch** - Permits selection of image from camera A or camera B. Note, this selection is overridden by the reverse selection switch.
- 5. Day/Night Switch** - Selects a pre-set brightness compensation setting for daylight and night viewing. Select in for night and out for day.

MONITOR REAR CONNECTIONS



MONITOR REAR CONTROLS

- 1. A/B Camera Picture Signal Input** - One or both of the camera input connectors can be used to connect to the cameras. Note, the dc power supply to the cameras is fed through these connectors.
- 2. Normal/Mirror Image Select Switch** - This switch is set to the mirror (reverse image) position (up) by the manufacturer. When used as a reverse view aid ensure the switch is set to the mirror position, the image should appear reversed right to left as it would appear in a rear-view mirror.
- 3. DC 12 -24 Volt Power Connector** - Ensure the wires are connected correctly to prevent damage. Connect the red wire with fuse holder to a positive feed, white wire to the reverse gear relay and the black wire to the vehicle chassis ground (negative earth systems).

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

MONITOR SPECIFICATIONS

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|--|--|
| Display Screen Size..... | 13 cm |
| Power Source..... | DC 12 - 24 volt |
| Power Consumption..... | 10.5 watt for single camera (11.5 watt two camera) |
| Input Signal/Impedance..... | 1.0 Vp-p/75Ω composite video signal |
| Resolution..... | More than 700 lines |
| System..... | PAL: 625 lines 50 fields per second |
| Operating Conditions Temperature:..... | -20°C to +55°C |
| | Humidity: 30% to 90% RH |
| Dimensions..... | 14 x 13.5 x 18.5 cm |
| Weight (gross)..... | 2.2 Kg |