



### 0-775-34 - 12/24v CCTV 4 Channel Quad Monitor with Sony CCD Reverse Camera and 20M Extension Cable

Durite's 7" CCTV 4CH Quad System with Sony CCD rear view camera (Normal Image) and 20M extension cable. Supplied with Main loom, Sunshade and U Shape Steel Bracket. E Marked ECE R10. Features also include auto dimming, split screen, auto-scan mode, and single display via triggers.



## **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 RE-MOVE COVER**

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.

**\* Please ensure you are familiar and comply with local traffic and driving regulations.**

**\* 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.**

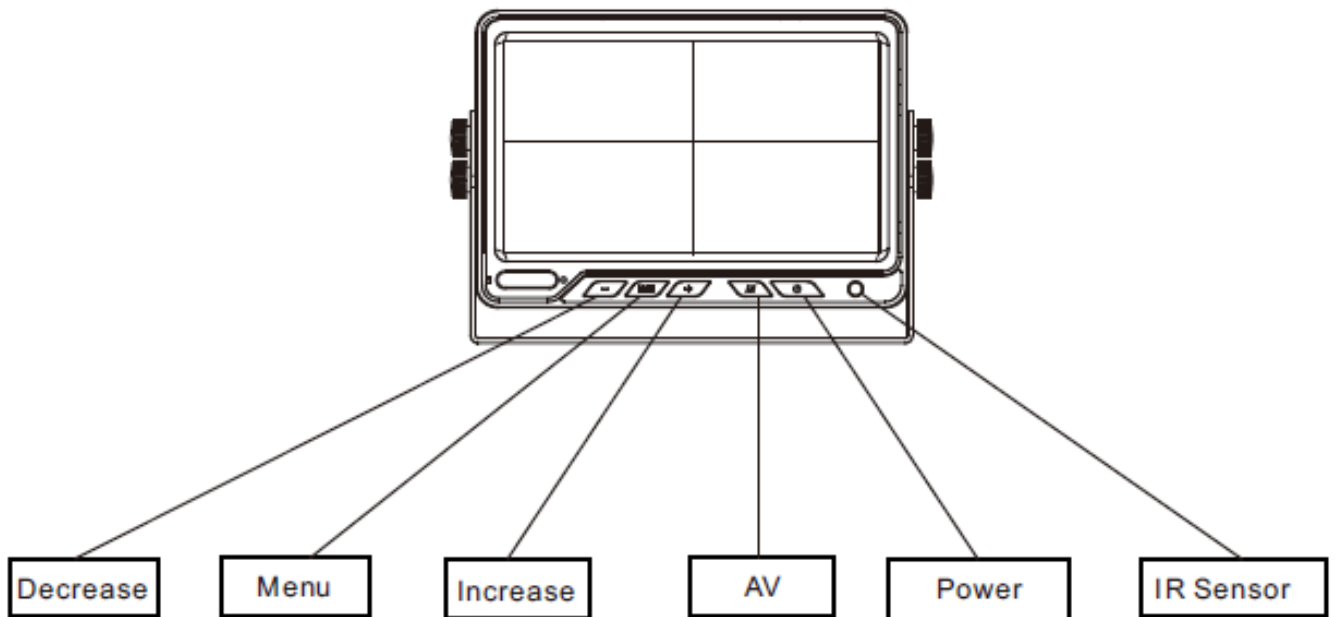
**\* Replacement Parts - Use only manufacturers replacement specified parts. Unauthorised substitutions may result in fire risk, electric shock or other hazards and will void the warranty.**

**\* 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 BUTTON LAYOUT

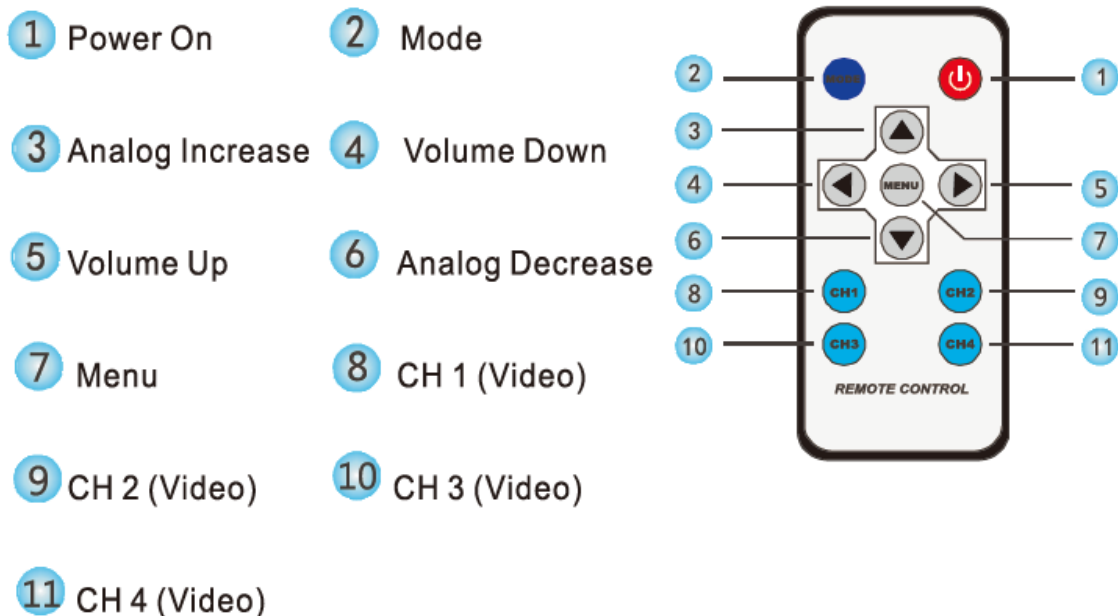


## MONITOR CONNECTIONS

1. CH1/CH2/CH3/CH4 Camera Picture Signal Input - One or all of the camera input connectors can be used to connect to the cameras. (dc+ power supply to the cameras is fed through these connectors).
2. DC 12-24 Volt Power Supply Leads - Ensure the wires are connected correctly to prevent damage. Connect the Red wire with fuse holder to an ignition switched positive feed, Grey wire (trigger 1) to the reverse gear switch (+ve) and the Black wire to the vehicle chassis ground (negative earth systems only). Other triggers can also be used if necessary (Green Trig2, Blue Trig 3 and Brown Trig 4). **Please see System Connection Diagram for more info.** Triggers will work in order of priority, so if Trig 1 is activated while Trig 2 is already active then Trig 1 will take priority over Trig 2.

Note: If the cigarette power lead is not being use, a suitable 2amp fuse must be placed in the positive supply line.

## REMOTE CONTROL



## MENU

Press "MENU", the screen will show "PICTURE".

Press "▲▼" to select other feature. Press "◀▶" to adjust setting parameter.

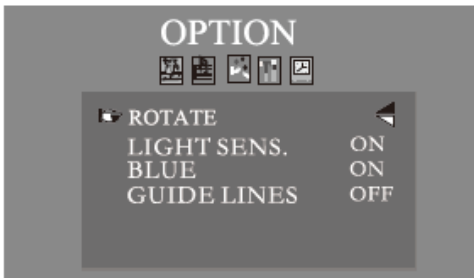
Press "MENU" over and over again, the screen will show pictures as bellow:



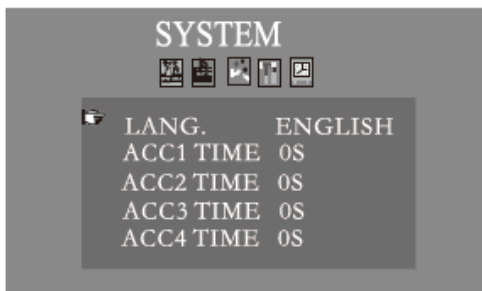
|                   |       |
|-------------------|-------|
| Brightness adjust | 0~100 |
| Contrast adjust   | 0~100 |
| Color adjust      | 0~100 |
| Reset             |       |



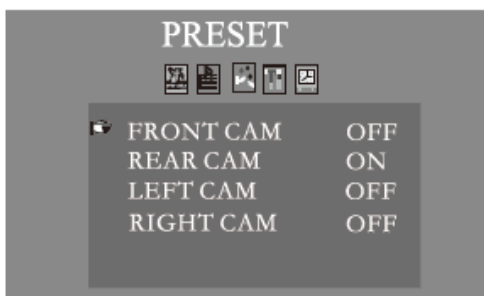
|        |       |
|--------|-------|
| Volume | 0~100 |
|--------|-------|



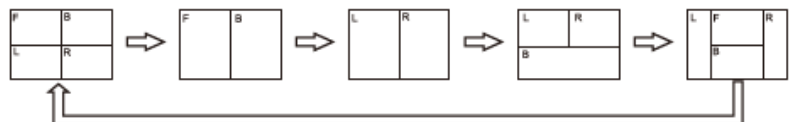
|              |                    |
|--------------|--------------------|
| Rotate       | Up/Down/Left/Right |
| Light sensor | on/off             |
| Blue screen  | on / off           |
| Guide lines  | on / off           |



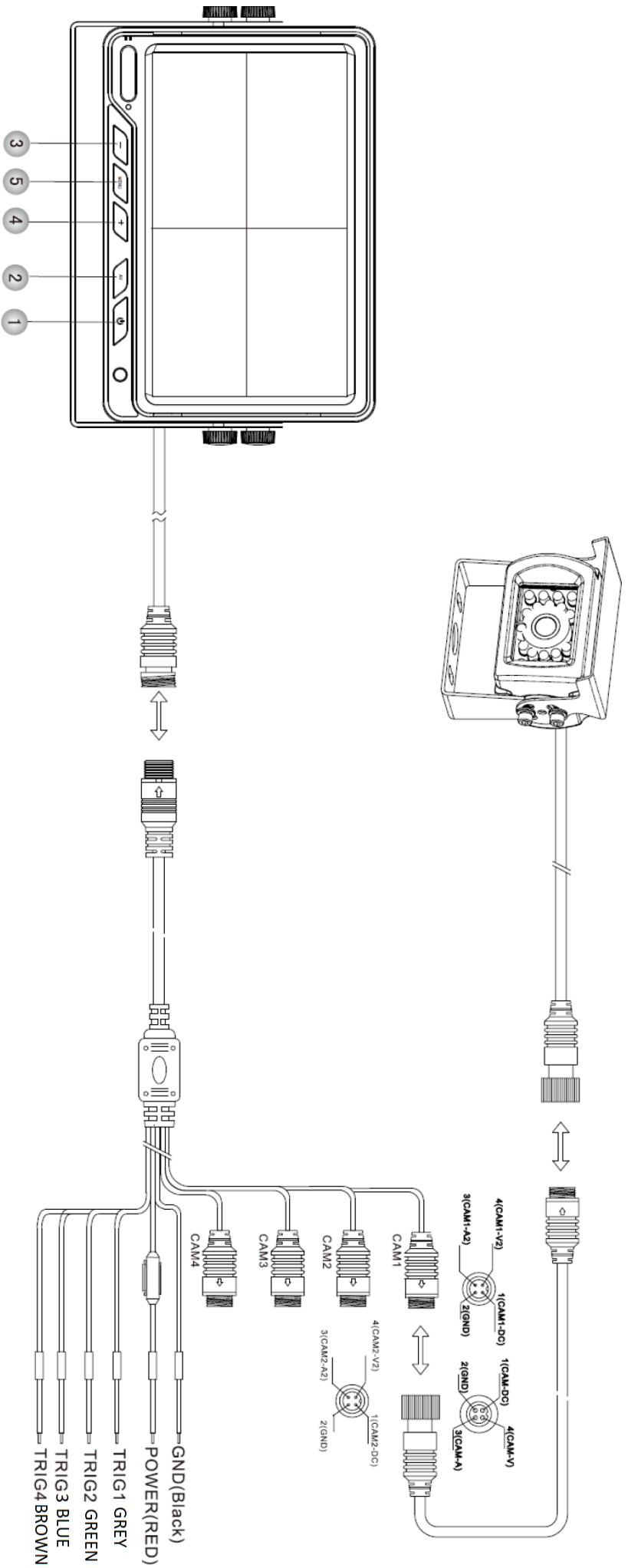
|                      |          |
|----------------------|----------|
| Language             |          |
| Reversing delay time | 0~15 sec |



Set up the camera and view as bellow :



# SYSTEM CONNECTION DIAGRAM



- 1 :press button to power on / off the system
- 2 :continuously shift from AV/V1 to AV/V4
- 3 :adjust setting parameters down
- 5 :please refer to MENU detail information
- 4 :adjust setting parameters up



## TECHNICAL SPECIFICATIONS

|                       |                                   |
|-----------------------|-----------------------------------|
| Display Device        | 7" Colour TFT LCD                 |
| Interface             | Digital TTL                       |
| Resolution            | 800 x RGB x 480                   |
| Luminance (Nits)      | 450                               |
| System                | PAL / NTSC (Auto)                 |
| Contrast Ratio        | 500:1                             |
| Power Consumption     | 5W                                |
| Power Supply          | 12/24VDC                          |
| View Angle            | L 70°, R 70°, U 60°, D 70°        |
| Connection            | Male 4 PIN Aviation               |
| Operating Temperature | -20°C to +60°C                    |
| Weight                | 550g                              |
| Dimensions            | L 177 x W 122 x H 26mm            |
| Type                  | 1/3" Sony CCD                     |
| Voltage               | 12VDC                             |
| Sensitivity           | 0 LUX with IR on                  |
| S/N Ratio             | 48dB                              |
| Current Draw (at 12V) | 200mA                             |
| Electronic Shutter    | Auto                              |
| Lens                  | f 2.8mm                           |
| View Angle            | Horizontal @ 120°, vertical @ 90° |
| Video Output          | 1 Vpp, 75 Ohm                     |
| IP Rating             | IP68                              |
| Auto Gain Control     | Yes                               |
| Microphone            | Yes                               |
| Weight                | 360g                              |
| Dimensions            | L 84 x W 76 x H 70mm              |
| Operating Temperature | -20°C to +70°C                    |
| Certificates          | ECE R10.05                        |

## TECHNICAL DRAWING

