



## DUAL CAMERA SYSTEM

Model number: CCDTWIN



Thank you for purchasing this dual camera system which comprises two cameras:- a 60 degree normal view and a wide angle 170 degree camera. The twin camera system is suitable for connection to any of our LCD colour monitors which have two AV inputs. It may be used for reversing or any other desired view (front/sides/interior). Please read cautions below.

### Included:

- 1 x CCD 170° diagonal camera
- 1 x CCD 60° diagonal camera
- 1 x dual mounting bracket
- 2 x 8m video / 4m fused power cable
- Mounting screws & adhesive pad

### CAUTION:

When using the reversing camera, do not drive by watching the screen – it is only intended to show what may be behind your vehicle. Reversing camera systems are an aid to reversing to indicate what may be behind you. Direct sunlight, glare or rain onto the lens will affect picture quality / vision.

- Recommended for professional installation
- Do not disassemble or attempt to repair this product
- Avoid dropping or causing impact as damage may result
- Do not use in extremes of heat and cold (see specifications)
- Avoid directing high pressure water onto the camera
- Do not exceed rated voltage
- Do not touch or apply pressure to the lens area

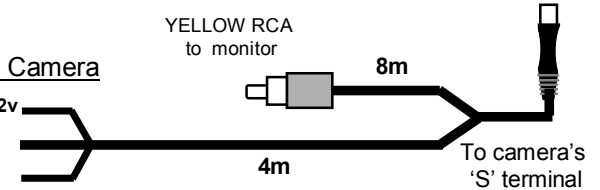
Mongoose Australia  
 Web site: [www.mongoose.com.au](http://www.mongoose.com.au)  
 Email: [sales@mongoose.com.au](mailto:sales@mongoose.com.au)

Mongoose New Zealand  
 Web site: [www.mongoose.co.nz](http://www.mongoose.co.nz)  
 Email: [sales@mongoose.co.nz](mailto:sales@mongoose.co.nz)

## WIRING INFORMATION

### Wide Angle Reverse Camera

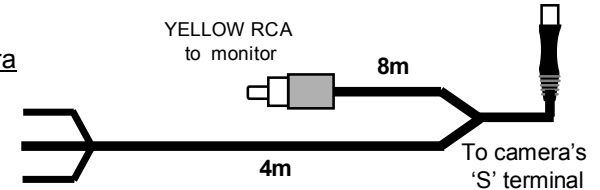
RED to reversing light +12v  
 BLACK to ground (-)  
 GREEN



Leave disconnected if the camera is looking backward.  
 Connect GREEN to (-) ground for normal (forward) image.

### Normal View Camera

RED to ACC +12v  
 BLACK to ground (-)  
 GREEN

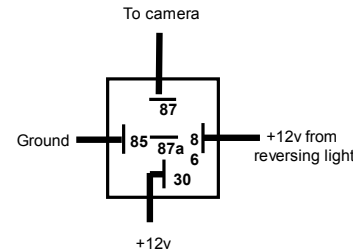


Leave disconnected if the camera is looking backward.  
 Connect GREEN to (-) ground for normal (forward) image.

If normal view is connected to ACC, the camera will be ON when the engine is running so the camera can be used as an electronic mirror. We advise the fitting of an optional on/off switch for times when the rear view from this camera is not required

The cameras are mounted to hang from its bracket - the usual location is above the number plate and between the plate lights. Other locations may be used if more suitable. Check that the chosen location will provide sufficient rear view and not obstructed by any vehicle objects such as a tow bar. Adjust both cameras for desired views and restrict too much sky as the brighter light affects the auto iris and causes lower objects to be too dark. Depending on the vehicle, the cables can be routed through the number plate lights. Use rubber grommets (not supplied) when passing through metal panels.

Note: Some vehicles may have computer data on the reversing light wire which may result in reduced picture quality or no picture. Check by starting the engine and engaging reverse gear. To rectify, use the reversing light voltage to control a relay (not supplied) to switch pure +12v to the camera.



Type: CCD  
 Viewing angle: 170° diagonal  
 Min' illumination: 0.5lux  
 Power consumption: Approx' 75mA  
 Power supply: DC 12v +/- 10%  
 System: PAL/NTSC  
 Operating temperature: -10°C~+50°C  
 Storage temperature: -20°C~+60°C  
 Video connector: 'S' to RCA