

# COMMAND

## *CAMERA & PARKING SENSORS*

A new and exciting product range is now available from one of Australia's most trusted names in automotive aftermarket electronics.

Command Auto Group has over 40 years of extensive experience in the automotive aftermarket including provision of some of the best electronic products available, and are proud to release this range to the Australian Market.

Command Parking Systems™ offer today's discerning motorist many valuable features and benefits:

- Assistance detecting obstacles whilst reversing your vehicle.
- Audible alarm and optional visual display with many models.
- Increases safety levels when children are playing near the vehicle.
- May prevent collisions with unseen objects behind your vehicle.
- Assists to safely park your vehicle with front and rear sensors (front sensors on selected models only).
- Added vehicle resale value.
- Command Parking Systems™ are a valuable addition to your vehicle.

Command Parking Systems™ offers you a range of quality, reliable and high value electronic vehicle accessories.

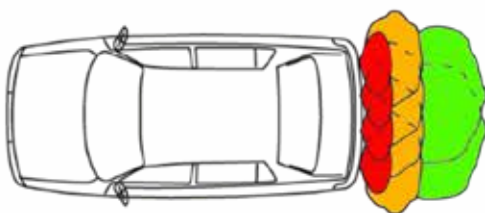
Command Parking Systems™ are manufactured in ISO approved manufacturing facilities and are covered by our 12 month National Service Warranty.

Command Auto Group and their range of Command Parking Systems™ are continuing the leadership in innovation with new innovative products for the more unique vehicle applications.

# COMMAND PARKING SYSTEMS™

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**REVERSING SENSOR AND BUZZER SYSTEMS**

**3.**

Command Parking Systems™ adopt the latest bionic ultrasonic sensor technology with high speed computer control to assist you with parking in those tight spots. Our quality parking sensors can be used in any weather conditions and detect obstacles from within 2 metres (detection distance varies depending on model selected).

This series is available in multiple sensor configurations and offer a 100° x 100° sensing angle for excellent ultrasonic coverage. The range features flush mount or stick-on premium paintable sensors with the option of purchasing flush mount sensors in 4 colours (black, red, silver and white).



The CMD05 series Command Parking Systems™ are an exceptional quality product, at an affordable entry level price. Featuring a variable stage audible buzzer which can provide an early warning of obstacles behind your vehicle.

This series is available in a 2 sensor configuration, or 4 sensor configuration for extra ultrasonic coverage. All models now include premium 21mm sensors.

**Rear Sensors**

**2 Sensor Configuration**

- 91CMD05-2 (Black)
- 91CMD05-2SOS (Black stick on)
- 91CMD05-2RS (Red)
- 91CMD05-2SS (Silver)
- 91CMD05-2WS (White)

**Rear Sensors**

**4 Sensor Configuration**

- 91CMD05-4 (Black)
- 91CMD05-4SOS (Black stick on)
- 91CMD05-4RS (Red)
- 91CMD05-4SS (Silver)
- 91CMD05-4WS (White)
- 91CMD05-4L (Black long lead)

Command Parking Sensors come standard with premium black sensors.

Other available colours include:

**Black: 91BS**

**Red: 91RS**

**Silver: 91SS**

**White: 91WS**

**Black Stick On: 91BSO**

Spare Part:

Parking Sensor Extension Cable - 2.13m

**91PSEC**

**Sensor Specifications:**

- Sensor fitment: Flush mount
- Sensor colour: Black - paintable
- Sensor size: 25mm outer, 21mm inner (21mm deep)
- Warning type: Audible buzzer
- Detecting range: 0.2m - 1.5m
- Sensor adjustment: No
- Ingress protection: Sensor IP67, module none
- Connector type: Screw type to small 2 pin
- Frequency: 40KHz
- Power supply: 9 - 16v
- Lead length: 2.5m; (4.8m on 91CMD05-4L)
- Pack Includes: Flush mount sensors, 1 x CMD05 module, 1 x buzzer, power harness, 21mm hole saw, 3M sticky backed Velcro, cable ties.



### **CMD05-4F Front Sensor System**

The 91CMD05-4F Command Front Parking Sensor System aids in the detection of obstructions in front of your vehicle.

As this kit is designed for front fitment power is not taken from the reverse lamp power feed and rather taken from ignition with both brake pedal activation as well as offering a manual activation/deactivation button for added safety.

After applying the brake pedal the system will activate and remain active for 15 seconds. If an obstruction is detected during this period the timer restarts for another 15 second cycle. If an obstruction is not detected the system reverts to stand-by mode. All 4 sensors must be fitted to vehicle.

### **Obstruction Warning Guide:**

0.7m - Slow warning beep and red indicator light as distance decreases

0.3m - Rapid warning beep and red indicator light as distance decreases

### **Sensitivity Adjustment:**

Adjustments that can be made to reduce sensor sensitivity levels.

The final (rapid) warning stage can be set at 0.3 or 0.5 meters via a switch on the Digital Control Module.

The volume of the warning signal and detection distance can also be adjusted via a switch on the Digital Control Module.

### **Sensor Specifications:**

Sensor fitment:	Flush mount
Sensor colour:	Black - paintable
Sensor size:	25mm outer, 21mm inner (21mm deep)
Warning type:	Audible buzzer with flashing lights - brake light activation with 15sec shutdown delay
Detecting range:	0.2-0.7m adjustable to 0.3-0.5m
Sensor adjustment:	Yes - DIP switch
Volume adjustment:	Yes - adjustable high/low
Ingress protection:	Sensor IP67, module none
Connector type:	Screw type to small 2 pin
Frequency:	40KHz
Power supply:	9 - 16v
Lead length:	4.8m (sensor to module)
Pack Includes:	4 x black flush mount sensors, 1 x CMD05 front sensor module, 1 x buzzer, power harness, 21mm hole saw, 3M sticky backed Velcro, cable ties, manual activation switch.

### **Front Sensors**

#### **4 Sensor Configuration**

- 91CMD05-4F (Black)
- 91CMD05-4FSOS (Black stick on)
- 91CMD05-4FRS (Red)
- 91CMD05-4FSS (Silver)
- 91CMD05-4FWS (White)





### **CMD16 -4 Premium Rear Sensor System**

The quality multi-colour visible display with digital readout indicates to the driver that obstacles are being approached from the left or right side of the vehicle with the approximate distance, in conjunction with a variable stage buzzer.

Contains 4 premium sensors designed for rear bumper protection.  
The system is automatically activated when reverse gear is selected.

#### **Obstruction Warning Guide:**

2.5m - Green warning light on display

1.5m - Orange warning light on display and warning beep as distance decreases

0.3m - Red warning light on display and rapid warning beep as distance decreases

#### **Sensitivity Adjustment:**

There are 3 adjustments that can be made to reduce sensor sensitivity levels.

Inner sensors - for vehicles with a tow bar for example.

Outer sensors - for vehicles with spare wheels, 4WD and other accessories.

All sensors - adjust for above or personalised reversing applications.

These functions are controlled by the 2 slide switches and the tuning screw on the Digital Control Module.

#### **Adaptable Display:**

As an additional feature the CMD16-4 now has the ability to change the display format for mounting on the dash ensuring highest versatility.

- Mount on the rear-view mirror, mount above the rear parcel shelf, mount above the rear parcel shelf to be viewed through the rear view mirror (upside down and reversed).

#### **Sensor Specifications:**

Sensor fitment:	Flush mount
Sensor colour:	Black - paintable
Sensor size:	25mm outer, 21mm inner (21mm deep)
Warning type:	Adjustable multi fit Screen with audible buzzer Adjustable Sensitivity and hook function.
Detecting range:	0.2m - 2.5m
Sensor adjustment:	Yes - DIP switch (inner/outer), adjuster screw (all)
Volume adjustment:	Yes - on/off
Ingress protection:	Sensor IP67, module none
Connector type:	Screw type to small 2 pin
Frequency:	40KHz
Power supply:	9 - 16v
Lead length:	2.5m (sensor to module)
Pack Includes:	4 x black flush mount sensors, 1 x CMD16 module, 1 x buzzer/display, power harness, 21mm hole saw, 3M sticky backed Velcro, cable ties.

#### **Available in:**

91CMD16-4 (Black)
91CMD16-4SOS (Black stick on)
91CMD16-4RS (Red)
91CMD16-4SS (Silver)
91CMD16-4WS (White)



6.

### Front and Rear (8 Sensor) Command Parking System™

This fully optioned system is available in 8 sensor configuration, 4 sensors across the front bumper of the vehicle, and 4 across the rear. The unit features an audible buzzer and visual display. If you demand performance and features, and unparalleled sensor coverage then the 91CMD86 Command Parking System™ is the unit for you.

This system works in two ways. Firstly it is automatically activated when reverse gear is selected and will detect obstructions at 2m (behind vehicle) with a slow beep tone which increases as the vehicle moves closer to the obstruction. A visual warning is also displayed on the screen indicating the sensor that is causing the alarm. The final (rapid) warning stage occurs at 0.4 meters.

#### Rear Sensor Obstruction Warning Guide:

- 2.0m - Slow warning beep as distance decreases plus visual warning on display
- 0.4m - Rapid warning beep as distance decreases plus visual warning on display

The system will automatically activate when applying the brake pedal and remain active for 15 seconds. If an obstruction is detected during this period the timer restarts for another 15 second cycle. If an obstruction is not detected the system reverts to standby mode.

#### Front Sensor Obstruction Warning Guide:

- 0.7m - Slow warning beep as distance decreases plus visual warning on display
- 0.25m - Rapid warning beep as distance decreases plus visual warning on display.

#### Sensor Specifications:

Sensor fitment:	Flush mount	<b>Part Number: 91CMD86</b>
Sensor colour:	Black - paintable	
Sensor size:	22mm outer, 19mm inner (15mm deep)	
Warning type:	Adjustable multi fit Screen with audible buzzer Adjustable Sensitivity and hook function.	
Detecting range:	Front: 0.15 - 0.75 Rear: 0.22m - 2.5m	
Sensor adjustment:	Yes - switch for automatic brake deactivation on/off	
Volume control	Yes - high/low	
Ingress protection:	Sensor IP67, module none	
Connector type:	Screw type to small 2 pin	
Frequency:	40KHz	
Power supply:	9 - 16v	
Lead length:	2.5m (sensor to module)	
Pack Includes:	4 x black flush mount sensors, 1 x CMD86 module, 1 x buzzer/display, power harness, 19mm hole saw, 3M sticky backed Velcro, brake switch, cable ties.	



### Truck and Ute Tray Command Parking System™

The CMD10-4 sensors are mounted by small screws. This product is ideal for those who want the protection of reversing sensors on vehicles where they may be mounted under the tray of a ute or commercial vehicle.

The CMD10-4 suits 12V and 24V applications.

#### Obstruction Warning Guide:

- 1.5m - Slow warning beep as distance decreases
- 0.3m - Rapid warning beep as distance decreases

#### Sensitivity Adjustment:

There are 2 adjustments that can be made to reduce sensor sensitivity levels.

Inner sensors - for tow bar mount for example

All sensors - for spare wheels, 4WD and accessories, personalised reversing applications.

These functions are controlled by the slide switch and the tuning screw on the Digital Control Module. Please note this will reduce the maximum detection range of the sensors.

This series is available in a 4 black sensor configuration for extra ultrasonic coverage. This system is automatically activated when reverse gear is selected.

#### Sensor Specifications:

Sensor fitment:	Tray type (saddle bracket)
Sensor colour:	Matte black - paintable
Sensor size:	65mm*30mm*30mm
Warning type:	Audible buzzer
Detecting range:	0.2m - 1.5m
Sensor adjustment:	Yes - slide switch (inner), adjuster screw (all)
Volume control	No
Ingress protection:	Sensor IP67, module none
Connector type:	Screw type to small 2 pin
Frequency:	40KHz
Power supply:	9-24v
Lead length:	2.5m (sensor to module, extension available)
Pack Includes:	4 x black tray mount sensors, 1 x CMD10 module, 1 x buzzer, power harness, rubber mounting pads, sensor fitting kit, 3M sticky backed Velcro, cable ties.

**Part Number: 91CMD10-4**



**REVERSING SENSOR AND CAMERA KIT**
**8.**

The CMD91-4 Camera and sensor kit offers greatest combination for safe and effective reversing by including a camera and 4 sensors in the same package. This kit includes a Command low lux camera with 4 professional sensors allowing your customer to have a visual image as well as an audible multi stage buzzer warning. The sensor and camera combination allow for a digital readout displaying distance of objects behind a vehicle for the ultimate safety and comfort.

**91CMD91-4**

**Camera Specifications:**

Image sensor:	CMOS
Signal type:	NTSC/PAL
Resolution (TVL):	480
Pixel:	PAL 704 x 576, NTSC 712 x 486
Viewing angle:	115°
Image:	Mirrored
Infrared:	No
Min Illumination:	2 Lux
Ingress protection:	IP67
Connector type:	Single pin to RCA
Mounting type:	Flush Mount
Power supply:	12v
Dimensions:	25mm (W) x 25mm (H) x 40mm (D)
Grid lines function:	No
Reverse image	No
Function:	Camera, 4 x premium sensors, 91CMD91 module, 25mm hole saw for camera, 21mm hole saw for sensors, RCA cable, power harness, buzzer.
Includes:	

**Sensor Specifications:**

Sensor fitment:	Flush mount
Sensor colour:	Black - paintable
Sensor size:	25mm outer, 21mm inner (21mm deep)
Warning type:	Audible buzzer
Detecting range:	0.2m - 1.5m
Sensor adjustment:	No
Ingress protection:	Sensor IP67, module none
Connector type:	Screw type to small 2 pin
Frequency:	40KHz
Power supply:	9 - 16v
Lead length:	2.5m; (4.8m on 91CMD05-4L)
Includes:	Flush mount sensors, 1 x CMD05 module, 1 x buzzer, power harness, 21mm hole saw, 3M sticky backed Velcro, cable ties.



## PASSENGER VEHICLE RANGE

9.

Command Camera and Monitor Systems offers extra safety and versatility. Easily installed and discreetly mounted the Command CMOS/CMD reversing camera systems are a valuable safety feature which add value to your vehicle and can be connected to our various screen options (sold separately). Offering a high quality product with more features than the competition.

The range of passenger vehicle reversing systems offers versatility with a selection of stylish screens and high quality cameras at affordable prices.

Screens are now available in 3.5", 4.3" and 5" sizes in pedestal, clip-on mirror, classic replacement mirror and now OEM styles.

All passenger vehicle parking systems come with RCA type video connectors to connect directly to the video monitor. The lead from the camera to the power harness has a mini 4 pin connector which means if you are required to drill a hole to enter the vehicle it will be as small as possible.

All standard passenger cameras come with the same camera power harness and 6m RCA cable with built in trigger wire that can connect to the reverse lamp to activate screens that require this connection.

### **Cameras available in the passenger vehicle range:**

- 91CMDC110 - Butterfly/Flush Mount
- 91CMDC210 - "Box" Style Bracket Mount
- 91CMDC310 - Licence Plate Mount
- 91CMDC410 - Rear Garnish Mount
- 91CMDC510 - Rear "Dome" Style Mount
- 91CMDC02 - Flush Mount with infra-red
- 91C260 - Licence Plate Mount with infra-red

### **Monitors available in the passenger vehicle range:**

- 91CMDS35S - 3.5" Pedestal Monitor - 2 Inputs, 12v
- 91CMDS43S - 4.3" Pedestal Montor - 2 Inputs, 12v
- 91CMDS5K - 5" Pedestal Monitor and Flush/Butterfly Camera Pack - 2 Inputs, 12v
- 91CMDS43MAD - 4.3" (OEM Style) Auto Dimming Mirror Monitor - 2 Inputs, 12v
- 91CMDS43M - 4.3" Clip-on Mirror Monitor - 2 Inputs, 12v
- 91CMDS43MBP - 4.3" Clip-on Mirror Monitor and Flush/Butterfly Camera Pack - 2 Inputs, 12v
- 91CMDS43M1BP - 4.3" Fixed Mount Mirror Monitor and Flush/Butterfly Camera Pack - 2 Inputs, 12 v

**REAR VISION CAMERAS - PASSENGER VEHICLE RANGE**

10.

**Butterfly/Flush Mount - 91CMDC110**

Image sensor: CMD  
 Signal type: NTSC/PAL  
 Resolution (TVL): 420  
 Pixel: PAL 704 x 576, NTSC 712 x 488  
 Viewing angle: 170° x 120°  
 Image: Mirrored  
 Infrared: No  
 Min Illumination: 0.5 Lux  
 Ingress protection: IP67  
 Connector type: Mini din to RCA  
 Mounting type: Flush/Butterfly  
 Power supply: 12v  
 Dimensions: 16.5mm (W) x 16.5mm (H) x 21 mm (D)  
 Grid lines function: Yes  
 Reverse image Function: Yes  
 Includes: Camera with flush mount and mount bracket and bezel, mounting screws, 16.5mm hole saw, mini din to RCA connector, 6m RCA cable.



**"Box" Style Bracket Mount - 91CMDC210**

Image sensor: CMD  
 Signal type: NTSC/PAL  
 Resolution (TVL): 480  
 Pixel: PAL 704 x 576, NTSC 712 x 486  
 Viewing angle: 170° x 120°  
 Image: Mirrored  
 Infrared: No  
 Min Illumination: 0.2 Lux  
 Ingress protection: IP67  
 Connector type: Mini din to RCA  
 Mounting type: Garnish Mount  
 Power supply: 12v  
 Dimensions: 32mm (W) x 25mm (H) x 35mm (D)  
 Grid lines function: Yes  
 Reverse image Function: Yes  
 Includes: Camera with mounting nut and washers, double sided tape, mini din to RCA connector, 6m RCA cable.





**REAR VISION CAMERAS - PASSENGER VEHICLE RANGE**

**11.**

**Licence Plate Mount - 91CMDC310**



Image sensor: CMD  
 Signal type: NTSC/PAL  
 Resolution (TVL): 480  
 Pixel: PAL 704 x 576, NTSC 712 x 486  
 Viewing angle: 170° x 120°  
 Image: Mirrored  
 Infrared: No  
 Min Illumination: 0.2 Lux  
 Ingress protection: IP67  
 Connector type: Mini din to RCA  
 Mounting type: Number plate mount  
 Power supply: 12v  
 Dimensions: 246mm (W) x 32mm (H) x 37mm (D)  
 Grid lines function: Yes  
 Reverse image Function: No  
 Includes: Camera with number plate bracket and bezel, mini din to RCA connector, 6m RCA cable.



**Rear Garnish Mount - 91CMDC410**

Image sensor: CMD  
 Signal type: NTSC  
 Resolution (TVL): 480  
 Pixel: PAL 704 x 576, NTSC 712 x 486  
 Viewing angle: 170° x 135°  
 Image: Mirrored  
 Infrared: No  
 Min Illumination: 0.2 Lux  
 Ingress protection: IP67  
 Connector type: Mini din to RCA  
 Mounting type: Garnish Mount  
 Power supply: 12v  
 Dimensions: 32mm (W) x 25mm (H) x 35mm (D)  
 Grid lines function: No  
 Reverse image Function: No  
 Includes: Camera with mounting nut and washers, double sided tape, mini din to RCA connector, 6m RCA cable.



**REAR VISION CAMERAS - PASSENGER VEHICLE RANGE**

12.

**Rear "Dome" Style Mount - 91CMDC510**

Image sensor: CMD  
 Signal type: NTSC/PAL  
 Resolution (TVL): 420  
 Pixel: PAL 704 x 576, NTSC 712 x 488  
 Viewing angle: 170° x 120°  
 Image: Mirrored  
 Infrared: No  
 Min Illumination: 0.5 Lux  
 Ingress protection: IP67  
 Connector type: Mini din to RCA  
 Mounting type: Flush/dome  
 Power supply: 12v  
 Dimensions: 25mm (W) x 25mm (H: Dome 10mm/15mm), 30mm (D)  
 Grid lines function: Yes  
 Reverse image Function: Yes  
 Includes: Camera, 19mm hole saw, mini din to RCA connector, 6m RCA cable.



**Flush Mount Infra-Red - 91CMDC02**

Image sensor: CMOS  
 Signal type: NTSC/PAL  
 Viewing angle: 115°  
 Image: Mirrored  
 Infrared: Yes  
 Min Illumination: 2 Lux day, 0 Lux with IR  
 Ingress protection: IP67  
 Mounting type: Flush  
 Power supply: 12v  
 Dimensions: 25mm (W) x 25mm (W) x 60mm (D)  
 Includes: Camera, power cables, 25mm hole saw, 6m RCA cable.



**Licence Plate Mount Infra-Red - 91C260**

Image sensor: CMOS  
 Signal type: NTSC/PAL  
 Viewing angle: 120° x 92°  
 Image: Mirrored  
 Infrared: Yes  
 Min Illumination: 3 Lux day, 0 Lux with IR  
 Ingress protection: IP67  
 Mounting type: Flush  
 Power supply: 12v  
 Dimensions: 250mm (W) x 30mm (H) x 40mm (D)  
 Includes: Camera, 6m RCA video cable, power cable





**REAR VISION MONITORS - PASSENGER VEHICLE RANGE 13.**

The Command Passenger Vehicle Monitors feature pedestal mount screens with a smooth black finish, sleek body and wide screen designs. These screens never look out of place and perfect for most applications where there is space available within the cabin.

Dual RCA video inputs.  
9V - 16V

Connect to Reverse camera, DVD, GPS, gaming and other devices.

Automatic triggerless activation.

Second camera priority - when connected to AV1 the image will be shown on the screen until the reversing camera is activated on AV2 and the screen will automatically prioritise this over AV1.

**Pedestal Mount Monitor**

**91CMDS35S**

Screen size: 3.5 inch (diagonal)  
Signal type: PAL/NTSC (auto-switch)  
Resolution: 320 x 240  
Inputs: 2 x Video in  
Connector type: Female RCA  
Power supply: 12v  
Reverse trigger: No - auto trigger  
Mounting type: 3M tape on base  
Sun shield: No  
Speaker: No  
Menu features: Brightness, contrast, colour  
Dimensions: 93mm (W) x 90mm (H) x 38mm (D)  
Includes: 3.5 inch screen, 3M tape for mounting, power cable.

**91CMDS43S**

Screen size: 4.3 inch (diagonal)  
Signal type: PAL/NTSC (auto-switch)  
Resolution: 480 x 272  
Inputs: 2 x Video in  
Connector type: Female RCA  
Power supply: 12v  
Reverse trigger: No - auto trigger  
Mounting type: 3M tape on base  
Sun shield: Yes - removable  
Speaker: No  
Menu features: Brightness, contrast, colour  
Dimensions: 120mm (W) x 80mm (H) x 35mm (D)  
Includes: 4.3 inch screen, 3M tape for mounting, power cable, removable sun shield.



**REAR VISION MONITORS - PASSENGER VEHICLE RANGE 14.**

**Rear Vision Mirror Mount**

The 91CMDS43MAD mirror monitor is perfect for applications where cabin space is tight or when keeping the originality of the vehicle is critical.

The 4.3" display will easily replace most existing factory mirrors for more of an original factory appearance.

This screen is equipped with an auto dim/automatic brightness control function to increase or decrease the screen brightness depending on the ambient lighting of the vehicles cabin for the best image quality.

With its fixed mounting bracket this screen suits many vehicles including Toyota, Ford, Holden, Mitsubishi, Mazda, Nissan, Kia and includes cable concealing accessories for a factory fitted appearance.

Includes:

sheath to cover screen wiring harness for factory appearance.

Dual RCA video inputs.

Connect to Reverse camera, DVD, GPS, gaming or any other devices.

Automatic activation.

Second camera priority - when connected to AV1 the image will be shown on the screen until the reversing camera is activated on AV2 and the screen will automatically prioritise this over AV1.

**91CMDS43MAD - Auto Dimming Mirror Monitor**

Screen size: 4.3 inch (diagonal) left side of mirror

Signal type: PAL/NTSC (auto-switch)

Resolution: 480 x 272

Inputs: 2 x Video in

Connector type: 1 x Female, 1 x Male RCA

Power supply: 12v

Reverse trigger: No - auto trigger

Mounting type: Fixed bracket

Sun shield: No

Speaker: No

Menu features: Brightness, contrast, colour,

Dimensions: 275mm (W) x 78mm (H) x 45mm (D)

Includes: 4.3 inch mirror screen, power harness, fitted "A" type bracket, cable concealing accessories.





**REAR VISION MONITORS - PASSENGER VEHICLE RANGE 15.**

**Rear Vision Mirror Mount Screen**

The Command 4.3" mirror kits are perfect for applications where cabin space is tight.

Dual RCA video inputs.

Connect to Reverse camera, DVD, GPS, gaming and other devices.

Automatic activation with trigger wire

Second camera priority - when connected to AV1 the image will be shown on the screen until the reversing camera is activated on AV2 and the screen will automatically prioritise this over AV1.

- Screen size: 4.3 inch (diagonal)
- Signal type: PAL/NTSC (auto-switch)
- Resolution: 480 x 272
- Inputs: 2 x Video in
- Connector type: 2 x Female RCA
- Power supply: 12v
- Reverse trigger: Single trigger for AV 2
- Mounting type: Clip-on
- Speaker: No
- Menu features: Brightness, contrast, colour, AV select
- Dimensions: 275mm (W) x 78mm (H) x 45mm (D)
- Includes: 4.3 inch mirror screen, power harness.

**Fixed Mount Mirror**

- Universal bracket suits many vehicles including Toyota, Ford, Holden, Mitsubishi, Mazda, Nissan. Kia.

- Additional brackets are available to convert uncommon factory mirror mount to suit vehicle. See page "Passenger Vehicle Accessories"



For camera specs see **91CMDC110**

**91CMDS43M - Clip on Mirror Monitor Only**

**91CMDS43MBP - Clip on Mirror Monitor and Camera Pack**

**91CMDS43M1BP - Fixed Mount Mirror Monitor and Camera Pack**



**COMMAND PARKING SYSTEMS™** Reversing Camera and Monitor System **UNIVERSAL CLIP-ON**

**4.3" Mirror Monitor**

- Detect obstacles when reversing your vehicle.
- Increased safety when children are playing near the vehicle.
- Prevent collisions with unseen objects behind your vehicle.
- Assists to safely park your vehicle.
- Added vehicle resale value.
- Command Parking Systems™ a valuable addition to your vehicle.

**COMMAND PARKING SYSTEMS™** Reversing Camera and Monitor System **REPLACEMENT**

**4.3" Mirror Monitor**

- Detect obstacles when reversing your vehicle.
- Increased safety when children are playing near the vehicle.
- Prevent collisions with unseen objects behind your vehicle.
- Assists to safely park your vehicle.
- Added vehicle resale value.
- Command Parking Systems™ a valuable addition to your vehicle.

**REAR VISION MONITORS - PASSENGER VEHICLE RANGE 16.**

**Pedestal Mount Screen and Camera Pack**

The 91CMDS5K pedestal screen features a smooth black and silver finish, sleek body and wide screen design this screen never looks out of place and perfect for most applications where there is space available within the cabin.

Dual RCA video inputs.

Connect to Reverse camera, DVD, GPS, gaming and other devices.

Automatic activation.

Second camera priority - when connected to AV1 the image will be shown on the screen until the reversing camera is activated on AV2 and the screen will automatically prioritise this over AV1. Super high quality image resolution of 800 x 480.

This kit features a high quality dual mount CMD/CMOS camera with optional gridlines and a 10m camera harness to assist in both an easy and factory looking installation.

**91CMDS5K - Camera/Monitor Pack**

- Screen size: 5 inch (diagonal)
- Signal type: PAL/NTSC (auto-switch)
- Resolution: 800 x 480
- Inputs: 2 x Video in
- Connector type: Female RCA
- Power supply: 12v
- Reverse trigger: No - auto trigger
- Mounting type: 3M tape on base
- Sun shield: Yes - Fixed
- Speaker: No
- Menu features: Brightness, contrast, colour
- Dimensions: 120mm (W) x 80mm (H) x 35mm (D)
- Includes: 5 inch screen, 18.5mm camera with flush mount bezel, butterfly bracket and bezel, 18.5mm hole saw power harness with 10m power/RCA harness.



- Image sensor: CMD
- Signal type: NTSC/PAL
- Resolution (TVL): 420 TV Lines
- Pixel: PAL 704\*576 NTSC 712\*488
- Viewing angle: 170° x 120°
- Image: Mirrored
- Infrared: No
- Min Illumination: 0.5 LUX
- Ingress protection: IP68
- Connector type: Mini din to RCA
- Mounting type: Flush/Butterfly
- Power supply: 12v
- Dimensions: 18.5mm (W) x 18.5mm (H) x 21 mm (D)
- Grid lines function: Yes
- Reverse image Function: Yes





## HEAVY DUTY RANGE

17.

### Heavy Duty/Commercial Reversing Systems

The Command Parking Systems™ range of heavy duty reversing systems offers versatility with a selection of robust multi volt screens and high quality CCD infra-red cameras at affordable prices.

All of the Command Heavy Duty systems come with 4 pin aviation style connectors for a strong, reliable and direct connection to create a user friendly plug and play system that can be upgraded, modified or even removed and re-fitted with ease. Connections carry both video signal and power to be directly connected to Command heavy duty/ commercial screens. If connecting to a Passenger Vehicle range screen, a 91ADKIT adaptor will be required. The lead from the camera also comes complete with grommet already fitted to make for a professional installation. The range of Command Heavy Duty cameras run high quality sharp CCD image processors with automatic light sensitive infra-red LED's for superior image quality even in low or no light situations.

Command Heavy Duty Monitors are designed for applications that demand more. Built to be more versatile and harder wearing with upgrades to product quality and protection. Pedestal or bracket mounting, auto backlight illumination, touch button operation and full function remote control are among these additional excellent features available.

If connecting cameras or devices that use a RCA style connection the 91ADKIT2 adaptor will be required to convert the screens inputs from a 4 pin aviation connection to a standard RCA video connector and power jack. One 91ADKIT2 included with every 91CMDS7S at no charge. The use of an extension cable (depending on how far away the camera is from the screen) may be required and 5m, 10m or 20m are available separately. New trailer installations cable kits are available separately in single and dual inputs with 4 pin connectors

#### **New Features:**

Upgrades to increase build quality and image quality.

IP69K rating (excl 91CMDC200) high pressure and high temperature protection

Custom instructions.

Attractive packaging.

#### **Cameras available in the heavy duty range:**

91CMDC100 - 180° Licence plate camera with 4 LED and microphone

91CMDC200 - 120° Box style with 18 LED and 20m extension

91CMDC300L/R - 120° side mount camera with 9 LED

91CMDC400 - 120° stainless box style with 6 LED and microphone

#### **Monitors available in the heavy duty range:**

91CMDS5S - 5" Heavy Duty Monitor - 3 Inputs, 12-24v

91CMDS7S - 7" Heavy Duty Monitor - 3 Inputs, 12-32v

**REAR VISION CAMERAS - HEAVY DUTY RANGE**

18.

**Licence Plate Mount - 91CMDC100**

Image sensor: 1/3" Sharp CCD  
 Signal type: NTSC  
 Resolution (TVL): 420  
 Pixel: 512 x 492  
 Viewing angle: 180°  
 Image: Mirrored  
 Infrared: Yes  
 Min Illumination: 0.1 Lux day, 0 Lux with IR  
 Ingress protection: IP69K  
 Connector type: Large 4 pin  
 Mounting type: Number plate  
 Power supply: 9-16v  
 Dimensions: 200mm (W) x 30mm (H) x 25mm (D)  
 Grid lines function: NA  
 Reverse image Function: NA  
 Additional Features: Powdercoated aluminium, adjustable camera angle (tilt),  
 microphone.  
 Includes: CCD camera, mounting screws and nuts, rubber grommet. Requires optional extension lead.



**Heavy Duty Mounting Bracket (Black Finish) - 91CMDC200**

Image sensor: 1/4" Sharp CCD  
 Signal type: NTSC  
 Resolution (TVL): 420  
 Pixel: 537 x 505  
 Viewing angle: 120°  
 Image: Mirrored  
 Infrared: Yes  
 Min Illumination: 0.1 Lux day, 0 Lux with IR  
 Ingress protection: IP67  
 Connector type: Large 4 pin  
 Mounting type: Heavy duty bracket  
 Power supply: 9-16v  
 Dimensions: 68mm (W) x 43mm (H) x 58mm (D), 45mm pivot base.  
 Grid lines function: NA  
 Reverse image Function: NA  
 Additional Features: Powdercoated aluminium, 18 x infra-red LED's,  
 adjustable camera angle.  
 Includes: CCD camera, mounting bracket, sun visor, 20m extension cable, allen key.





**REAR VISION CAMERAS - HEAVY DUTY RANGE**

19.

**Side Mount Camera - 91CMD300L (Left) - 91CMD300R (Right)**

Image sensor:	1/3" Sharp CCD
Signal type:	NTSC
Resolution (TVL):	420
Pixel:	512 x 492
Viewing angle:	120°
Image:	Mirrored
Infrared:	Yes
Min Illumination:	0.1 Lux day, 0 Lux with IR
Ingress protection:	IP69K
Connector type:	Large 4 pin
Mounting type:	Side/Pod mount
Power supply:	9-16v
Dimensions:	110mm (W) x 60mm (H) x 110mm (D), 25mm camera
Grid lines function:	NA
Reverse image Function:	NA
Additional Features:	9 x infra-red LED's
Includes:	CCD Camera, side mount pod and rubber base, screws, bolts, washers and nuts for fitting. Requires optional extension lead



**Heavy Duty Mounting Bracket (Stainless Steel) - 91CMDC400**

Image sensor:	1/3" Sharp CCD
Signal type:	NTSC
Resolution (TVL):	420
Pixel:	512 x 492
Viewing angle:	120°
Image:	Mirrored
Infrared:	Yes
Min Illumination:	0.1 Lux day, 0 Lux with IR
Ingress protection:	IP69K
Connector type:	Large 4 pin
Mounting type:	S/steel bracket
Power supply:	9-16v
Dimensions:	75mm (W) x 40mm (H) x 55mm (D), 40mm pivot base.
Grid lines function:	NA
Reverse image Function:	NA
Additional Features:	Aluminium housing, stainless steel bracket, microphone for audio, adjustable camera angle, 6 infra-red LED's.
Includes:	CCD camera stainless steel mounting bracket, stainless steel sun visor, allen key. Requires optional extension lead.



**REAR VISION MONITORS - HEAVY DUTY RANGE**

20.

**5 Inch Monitor - 91CMD5S**

Inputs - Connect to Reverse camera, DVD, GPS, gaming and other devices.  
Automatic activation for each input.

Input camera priority - separate trigger wire for each input so it can be connected to the reverse lamp, side indicator, brake lamp, bus door and more to automatically display the required image without the need to press a button.

Menu functions - input select, image settings - brightness, contrast.

Features raised buttons to meet mining and emergency vehicle standards.

If gridlines or image reversal are required a camera from the passenger vehicle range and adaptor is required.

- Screen size: 5 inch (diagonal)
- Signal type: PAL/NTSC (auto-switch)
- Resolution: 800 x 480
- Inputs: 3 x Audio/video in
- Connector type: Large 4 pin
- Power supply: 9-24v
- Reverse trigger: 1 trigger for each input
- Mounting type: U-support bracket
- Sun shield: Yes - removable
- Speaker: Yes
- Menu features: On/Off, Brightness, contrast, colour, language, AV select,
- Dimensions: 135mm (W) x 97mm (H) x 24mm (D)
- Includes: 5 inch screen, u-support bracket, mounting bolts, power/AV harness, removable sun shield, remote control.





**REAR VISION MONITORS - HEAVY DUTY RANGE**

**21.**

**7 inch Monitor - 91CMD57S**

Inputs - connect to reverse camera, DVD, GPS, gaming and other devices.  
Automatic activation for each input.

Input camera priority - separate trigger wire for each input so it can be connected to the reverse lamp, side indicator, brake lamp, bus door and more to automatically display the required image with out the need to press a button.

Split screen function - display one, two, three or four inputs on the screen at any time.

4 x video/audio inputs - heavy duty large 4 pin style.

1 x AUX jack input.

1 x Recording video/audio output, 1 x live video output.

Features:

On/Off, brightness, contrast, colour, volume adjust, language selection (6), AV input trigger priority select, horizontal and vertical image flip, trigger priority, optional gridlines, touchscreen, split screen for 1, 2, 3 or 4 images at once, screen display input adjustment, auto input scanning, auto dim, border colour selection, full functions remote control.

**Screen Display Options**

Split  
Screen  
Picture  
Options



Picture in  
Picture  
Options

- Screen size: 7 inch (diagonal)
- Signal type: PAL/NTSC (auto-switch)
- Resolution: 800 x 480
- Inputs: 4 x Audio/video in
- Connector type: Large 4 pin
- Power supply: 9-32v
- Reverse trigger: 1 trigger for each input
- Mounting type: 3M tape/screw-in mounting bracket or screw-in U-support bracket
- Sun shield: Yes - removable
- Speaker: Yes
- Dimensions: 194mm (W) x 125mm (H) x 40mm (D) (screen only - no bracket)
- Includes: 7 inch screen, centre mount bracket, u-support bracket, mounting bolts, power/AV harness, removable sun shield, remote control.



**DIGITAL WIRELESS TRANSMITTER AND RECEIVER**

**22.**

Command Parking Systems™ offer customers the option of wireless connections for their parking systems whether it be a heavy duty application where cables can not reach or are not practical to use as well as applications where time is a factor and quick installation is required.



- Anti-interference technology
- 9-16V operation
- Transmitter and receiver pre-paired
- Smart frequency hopping
- Transmission distance of 100m in open area



Includes adaptor for CMOS/CMD cameras with 4 pin small plug.

**91WDTR10**



Includes adapter to suit CCD cameras with 4 pin large plug.

**91WDTR00**



This system has been designed for wireless connection between any Command reversing camera and monitor. This product comes in two variations depending on the type of camera connection being used (small 4 pin standard camera or large 4 pin heavy duty camera).

Transmission distances can depend on a number of variables and as such this product is recommended for reliable wireless connections between the front and rear of the car. When fitting out side of the vehicle to a trailer or other it is recommended to be teamed up with a heavy duty camera and extension so both transmitter and receiver can be mounted in close proximity while still providing a wireless connection. Test fitment is always required in these applications to ensure the placement of the transmitter and receiver provide adequate signal strength.



**HEAVY DUTY VEHICLE ACCESSORIES**

**23.**

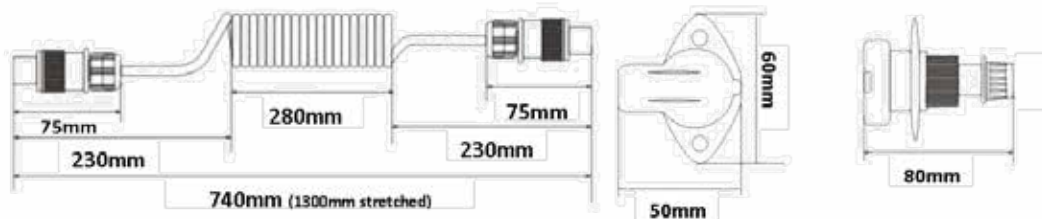
**Camera Trailer Cables**

Designed to be robust and durable in all conditions and ideal for connecting cameras to monitors in a range of applications for cars, buses, trucks, farm machinery, mining and much more. Capable of carrying Video, Audio and Power cable signals for 1 or 2 cameras. The industrial-grade aviation-style 4 pin connectors have a locking screw designed to protect from dust and water while providing a very strong and secure connection. This cable combines video, audio and power within the same cable and is designed to simplify the rear view camera hitch and un-hitch process.

**Single Input Trailer Cable - 91CMDTC1**

The Single Input Trailer Cable kit is perfect for customers wanting to mount a single camera on the back of their caravan, trailer, horse float or any application where camera is not mounted to the towing vehicle.

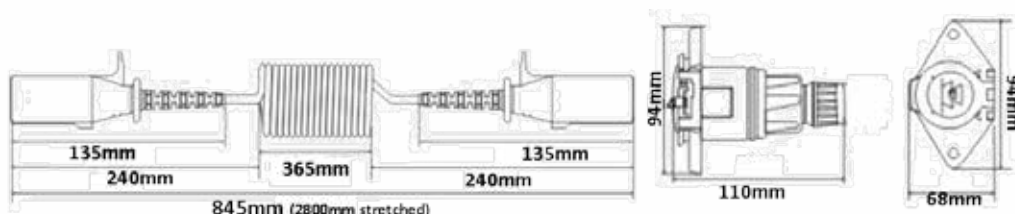
The kit consists of two waterproof heavy duty curly cord, 5 pin plastic sockets with the large 4 pin type video connectors for an easy plug and play installation.



**Dual Input Trailer Cable - 91CMDTC2**

The Dual Input Trailer Cable offers extra versatility by allowing customers to connect two cameras on or inside the towing vehicle to suit a wider range of applications.

The kit consists of two waterproof super heavy duty curly cable, 7 pin plastic sockets, upgraded aluminium cap/retainer, and dual large 4 pin type connectors for an easy plug and play installation.



**ACCESSORIES**

**24.**

The Command Passenger Vehicle cameras and screens all come with a range of accessories included with every product to assist in completing every day fitments, however often we find customers request varied configurations that will require additional accessories.

Items available to suit the Passenger Vehicle range include:

**91ADPLUG** - RCA female to female adaptor

**91ADPLUG2** - RCA male to male adaptor

**91ADKIT** - Converts heavy duty 4 pin camera to RCA connection

**91ADKIT2** - Converts heavy duty 4 pin screen to RCA connection

**91MB\*** - Brackets to suit Mirror Bonus Pack 91CMDS43M1BP

**91ADPLUG**



**91ADPLUG2**



**91ADKIT**



**91ADKIT2**



**Fixed Mount Brackets to suit 91CMDS43M1BP**

- Brackets to suit other vehicle models sold separately.

**Bracket B - 91MBB2**

- Suits some models from Honda, Mitsubishi, Subaru.



**Bracket E - 91MBE6**

- Suits some models from Ford, Holden.



**Bracket C - 91MBC3**

- Suits some models from VW, Audi, Skoda.



**Bracket H - 91MBH12**

- Suits some models from Citroen, Peugeot.



**Bracket D - 91MBD4**

- Suits some models from Mitsubishi, Holden.



**Heavy Duty Extension Cables**

**91CMDCEC5** - 5m 4 pin camera cable extension

**91CMDCEC10** - 10m 4 pin camera cable extension

**91CMDCEC20** - 20m 4 pin camera cable extension



**If you have any further queries on requirements to fit specific applications please contact us for more information on 02 8853 2900 or email to sales@tcag.com.au**