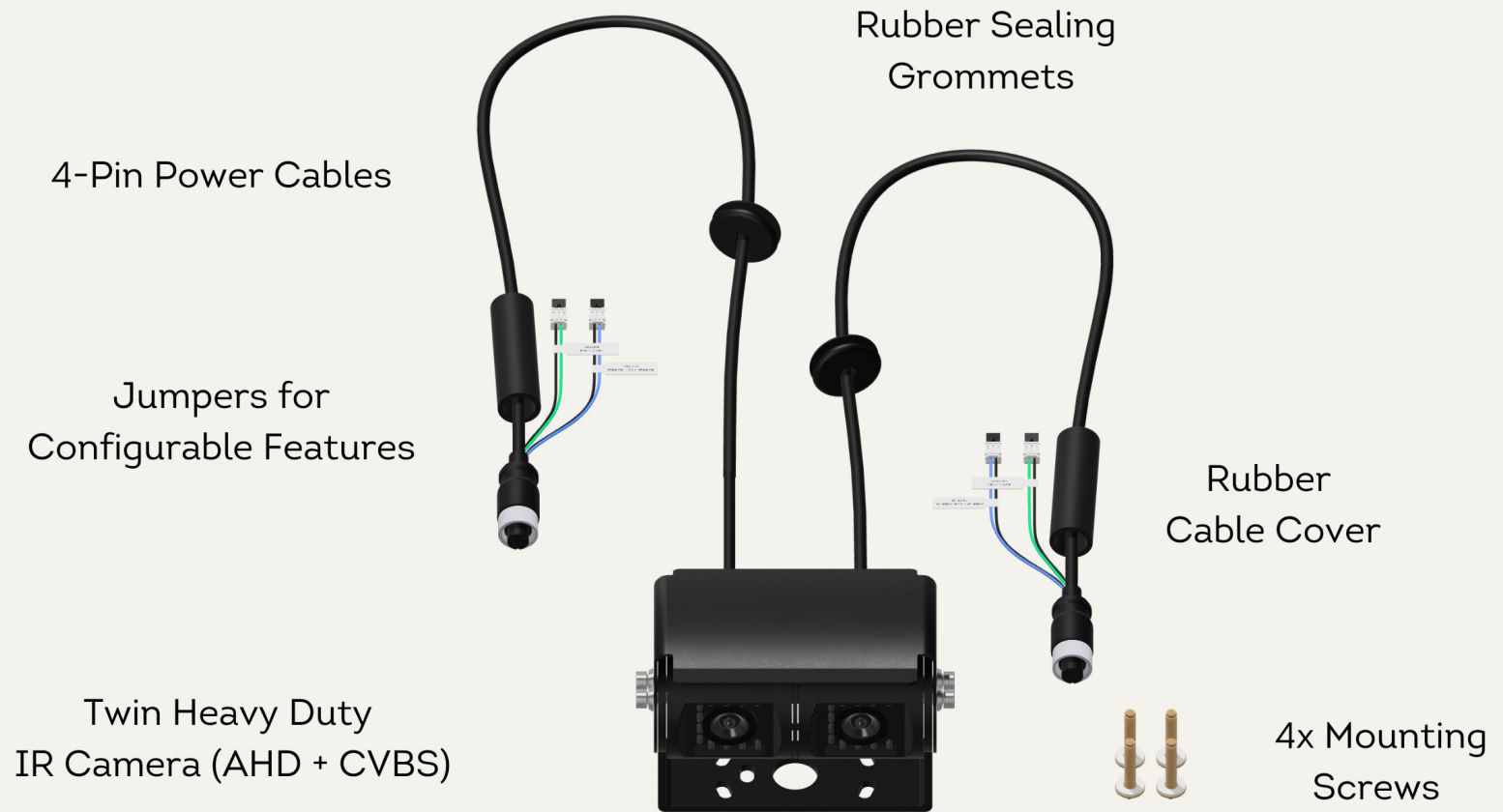




Heavy Duty Twin Camera
60° + 120° Dual View



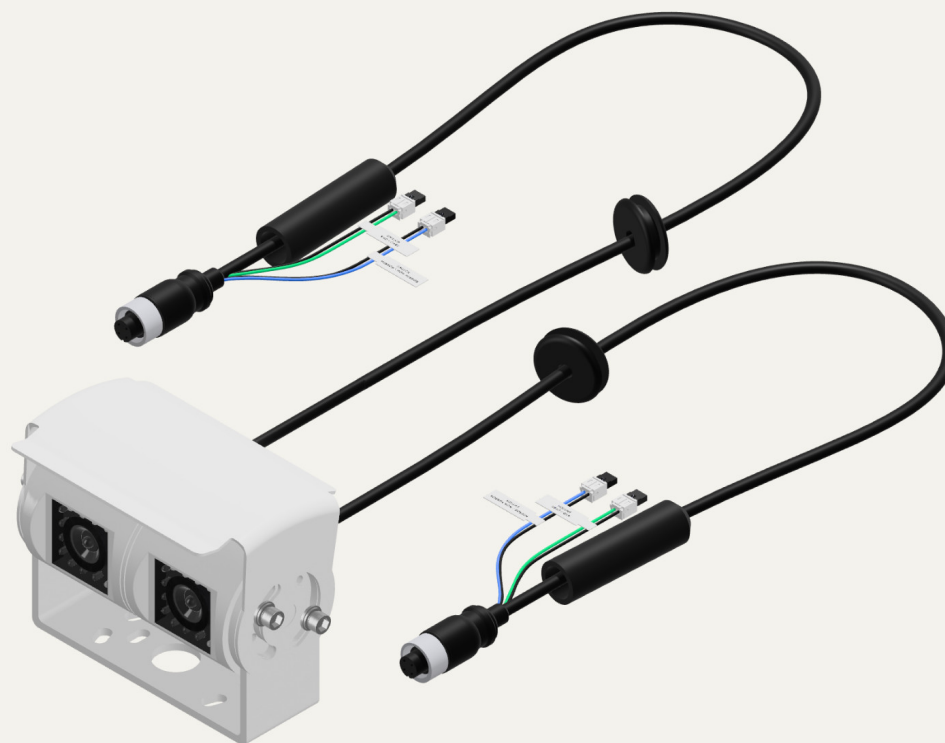
WHAT'S INCLUDED



SKU: AC-HEAVY-TWIN-CAM



SKU: AC-HEAVY-TWIN-CAM-BLACK



SKU: AC-HEAVY-TWIN-CAM-WHITE

HEAVY DUTY TWIN CAMERA

Built in AHD/CVBS Converter
Built in Mirror Image Option

Infrared Night Vision
with IR Cut for clear daytime colour.



Heavy Duty 4 Pin
Aviation Connector

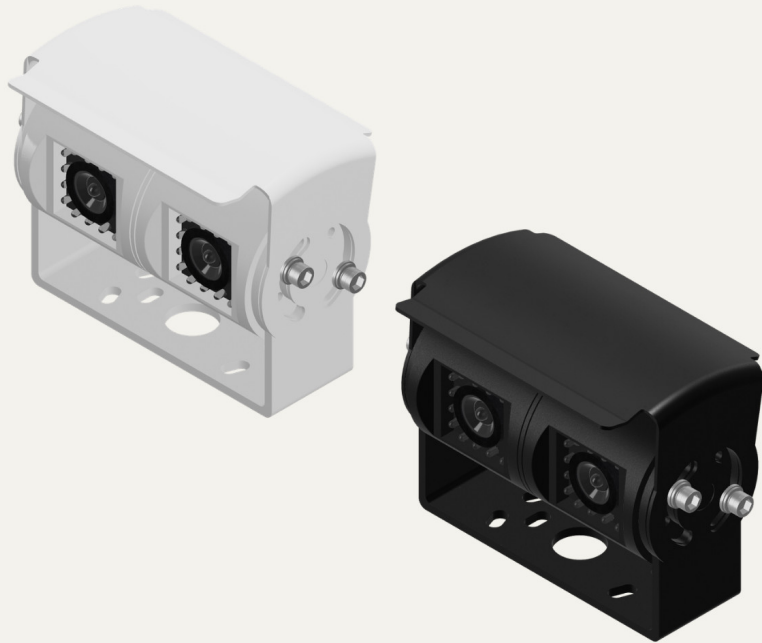
Left Camera – 60°
Close-Range View

Right Camera – 120°
Wide-Angle View

SKU: AC-HEAVY-TWIN-CAM

CHOICE OF COLOUR

The AutoChimp™ Heavy Duty Twin Camera is available in matte black or matte white to suit different vehicle and installation styles.



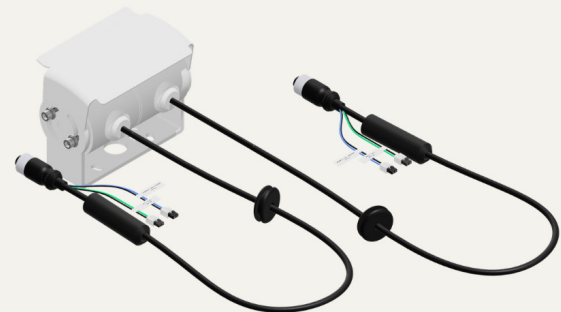
Two Matte Finishes

Select black or white to best match your vehicle, canopy, caravan or installation.

Same Camera Performance

Both colour options include identical camera hardware, video formats and adjustable mounting.

Note: Supplied cables and connectors are black with both colour options.



CAMERA FEATURES

Configurable Setup:

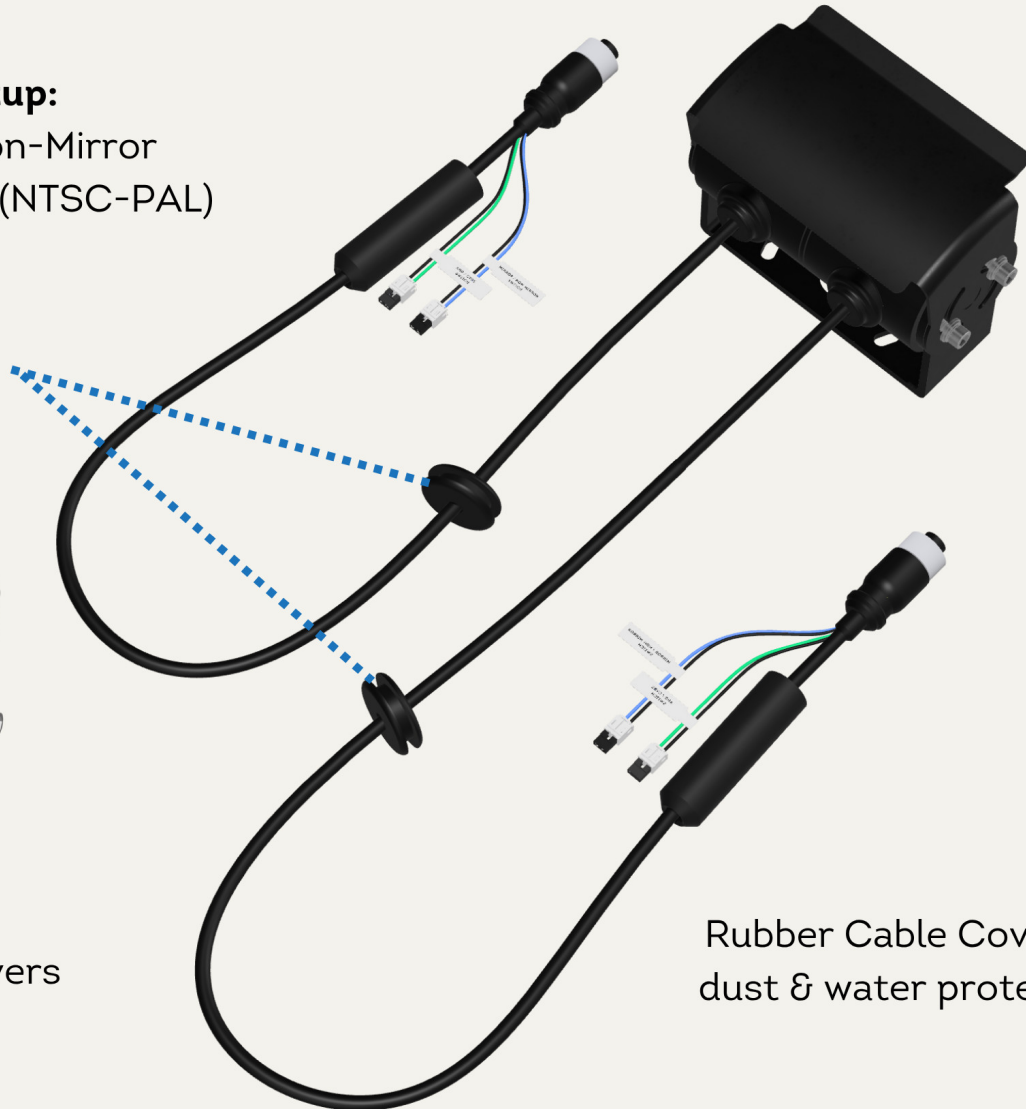
Image Flip: Mirror / Non-Mirror

Video Select: AHD / CVBS (NTSC-PAL)

Cable Sealing Rubber
Grommets



Built in Protective Glass Covers
for Camera Lens



Rubber Cable Cover for
dust & water protection.

COMPATIBLE DISPLAYS

The Heavy Duty camera can be configured as either AHD or CVBS (NTSC/PAL) to suit different display types.

Designed to work with compatible OEM screens, aftermarket head units, and AHD / CVBS monitor systems.



OEM Screens



Aftermarket Stereos



Dash & Window Mounts

Important: video format must match the display input.

DISPLAY IMAGE QUALITY

AutoChimp™ Heavy Duty cameras support AHD and CVBS output. Final on-screen image quality depends on the display's supported video format and resolution.



Heavy Duty Series cameras provide a clear image in both daytime and low-light conditions. The built-in Infrared gives a clear image even in low light situations. Built-in IR Cut sensor for clear daytime image.

The OEM Toyota stereos are not AHD, their format is CVBS (NTSC).

OPTIONAL SUZI COIL CONNECTION

Add a removable Heavy Duty camera connection between your vehicle and trailer, caravan or removable canopy.

Available with Small, Medium & Large Coil lengths.



The AutoChimp™ Suzi Coil Camera Connection Kit provides a secure coiled link across the tow hitch, allowing the camera system to disconnect easily when the trailer is removed.

CAMERA DIMENSIONS

Bracket:

Width: 100mm
Depth Top: 65mm
Depth Bottom: 35mm



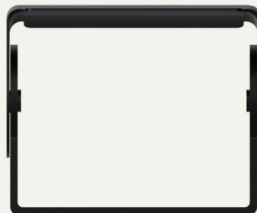
Camera:

Width: 95mm
Depth: 65mm



Cable Length:
500mm

Bracket Height:
80mm



Camera Height:
65mm

ADAPTER CABLE LENGTHS

Adapter dimensions vary by part.
See the selected adapter's product listing.

Inside diameter 12.5mm
Outside diameter 15mm



(Adapters & Extension sold separately)

CONTENTS



SKU: AC-HEAVY-TWIN-CAM

QUICK START GUIDE

1. Mount the camera.
2. Route the camera cable.
3. Connect the adapter.
4. Connect power and video.
5. Configure image flip or video signal if required.



Power & Video Signal Output
for Connection to screen,
interface or stereo.



Mount camera on vehicle.

Video Format: AHD / CVBS (NTSC-PAL)
(see Camera Setup)

<u>Pin</u>	<u>Function</u>	<u>Wire</u>
• Pin 1	6V - 24V Power	● Red
• Pin 2	Ground / Earth	● Black
• Pin 3	Video - / Shield	● White
• Pin 4	Video + Signal	● Yellow

CAMERA ADJUSTMENT

AutoChimp™ has custom designed this camera to give a large field of view with maximum adjustability. Therefore each camera can be adjusted individually for the angle required.



Camera hood can be adjusted and rotated to block sun glare.

Left Camera – 60° Close-Range View

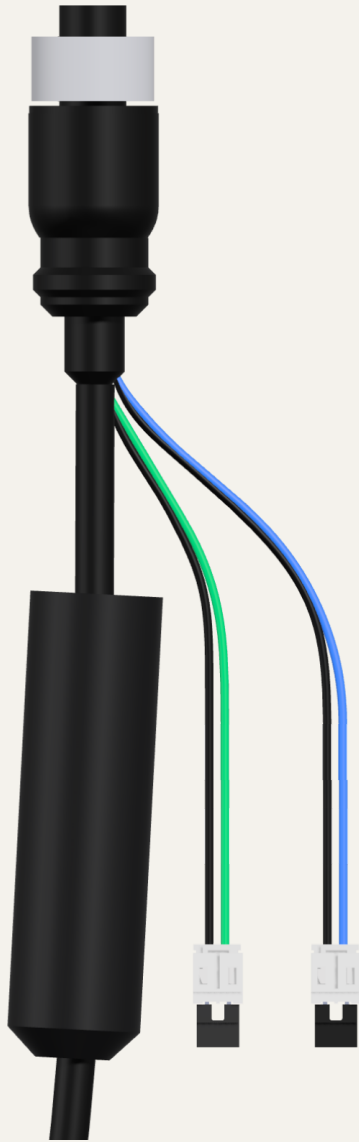
Built for closer range viewing such as trailer hitch points, bumper bars or inside trailers / horse floats.

Right Camera – 120° Wide-Angle View

Larger viewing angle for parking assistance. This camera can see more of the surrounding area.



360 degree mounting bracket with stainless screws.



CAMERA SETUP

HEAVY DUTY CAMERAS



Two black jumpers on the camera lead set how the camera behaves. **Pull a jumper off to switch that option; push it back on to switch back.** Set both before you run the cable.



Blue — Mirror / Non-Mirror

Jumper on = mirror (rear), off = non-mirror (front). Flips the image left to right so it reads correctly for the way the camera faces.



Green — AHD / CVBS (NTSC-PAL)

Jumper on = AHD, off = CVBS. The camera has a built-in converter and ships set to AHD.

Scan the QR on your info card

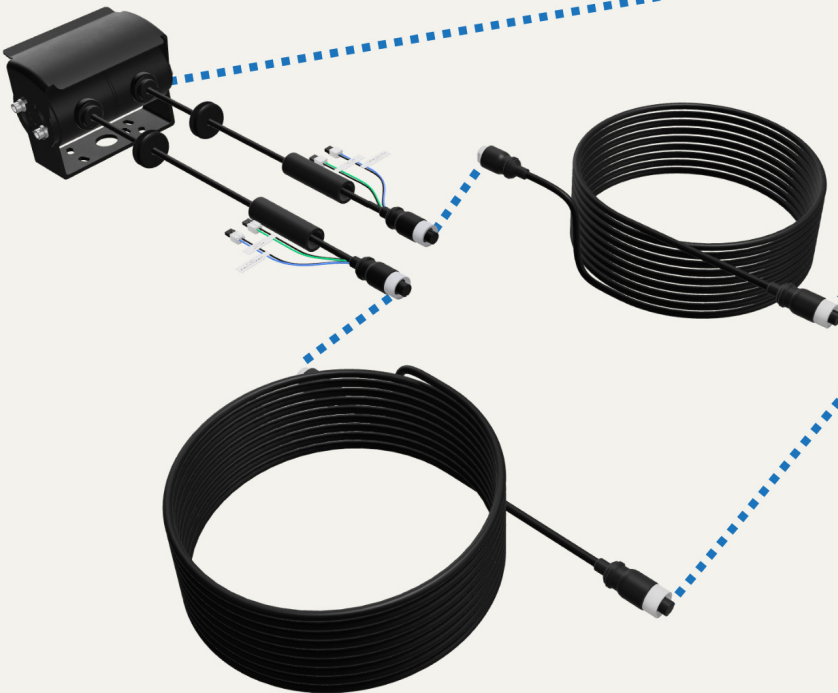
SMS +61 411 101 737

MOUNTING AS REAR CAMERA

Heavy Duty Twin Camera can screw into rear of vehicle using provided mounting bracket & screws.



IMPORTANT: Male plug runs to screen or stereo.

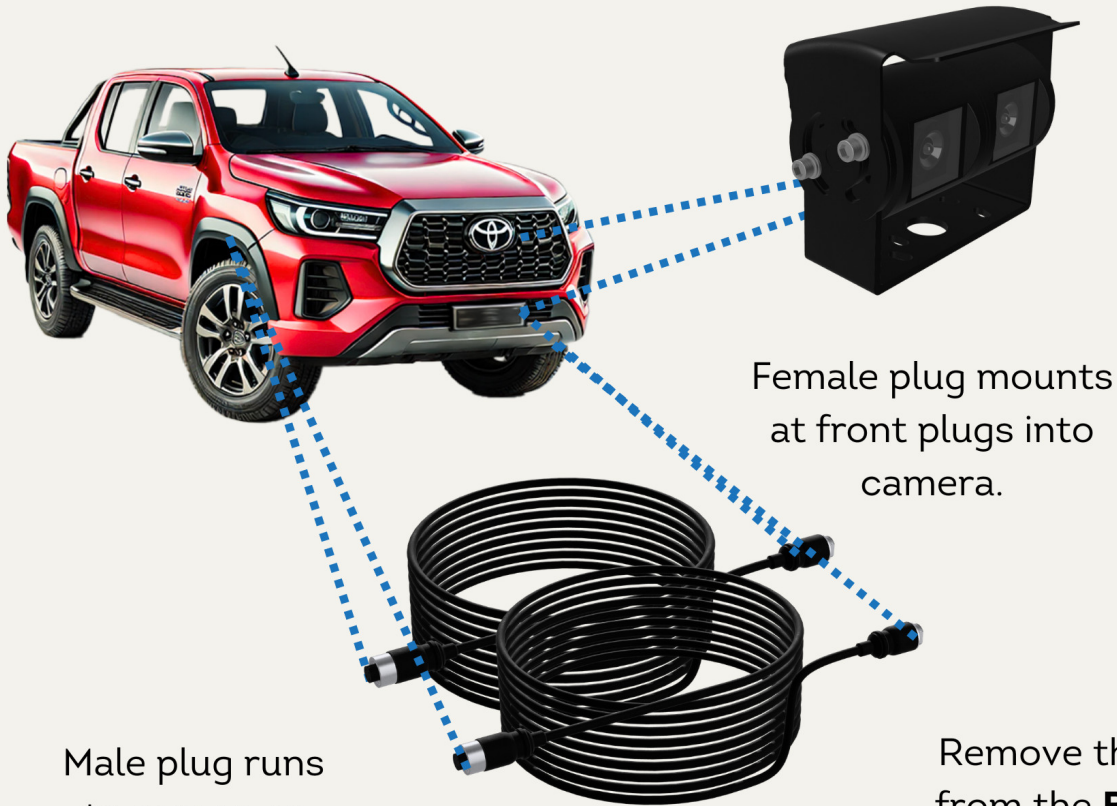


Extension & power cable runs from rear to front to behind stereo/drivers kick panel and into your selected screen.



Bracket can be adjusted 360 degrees for horizontal or vertical mounting.

MOUNTING AS FRONT CAMERA

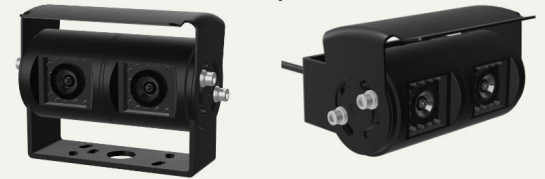


Female plug mounts at front plugs into camera.

Male plug runs to screen or stereo.

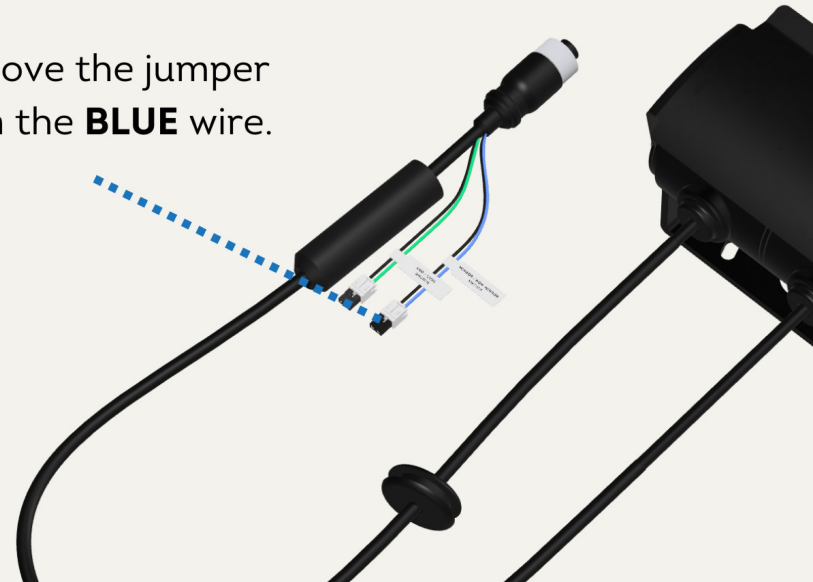
Camera power cable runs from front grille through firewall, then routes up to behind stereo.

Camera mounts in the front of the vehicle. Either behind grill or number plate is the most common positions.



Camera bracket has 360 degree mounting.

Remove the jumper from the **BLUE** wire.



MOUNTING WITH TRAILERS



Mount camera on trailer or vehicle at desired location, run trailer extension cable to hitch point.

Camera bracket can be mounted in any direction.



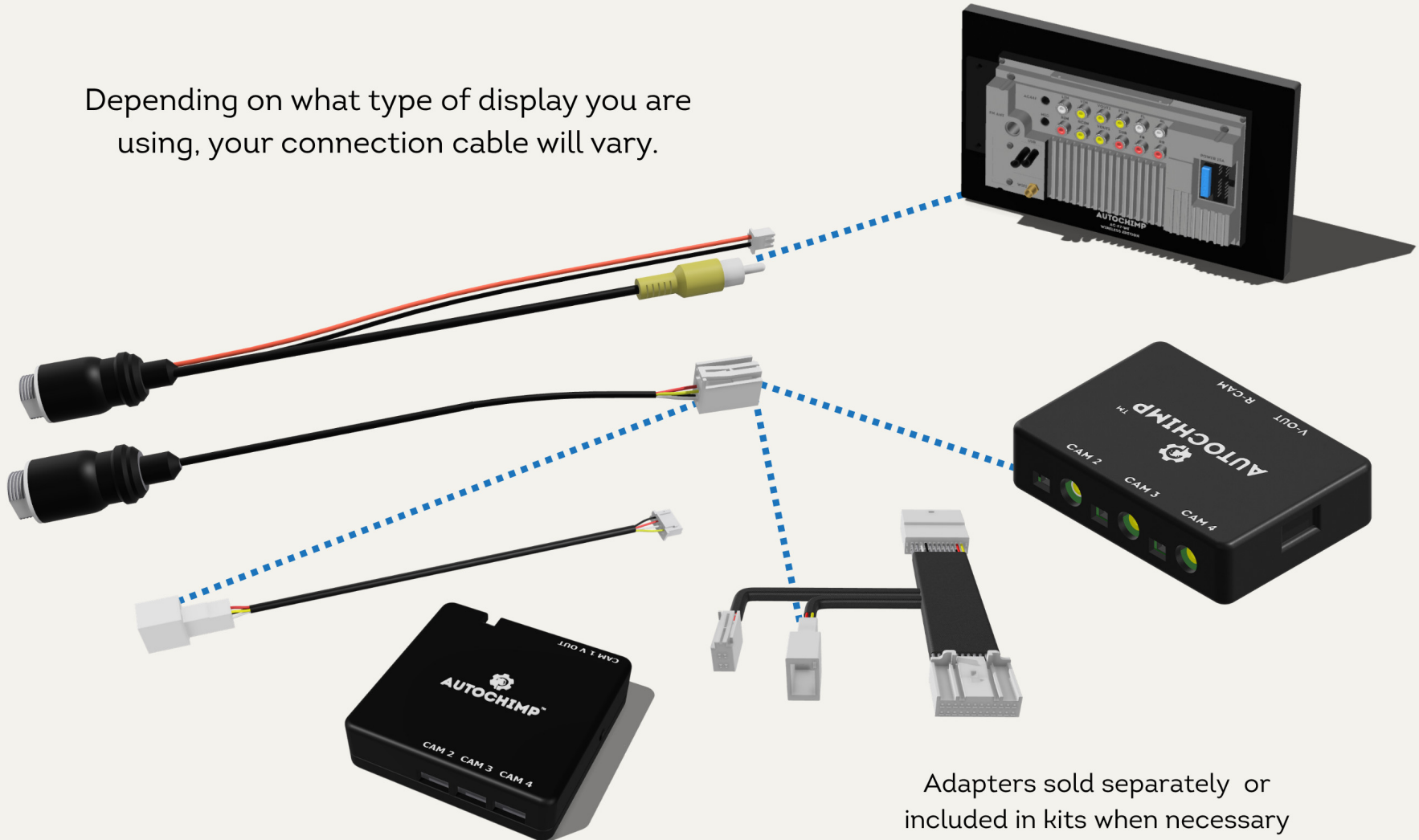
Run extension cable from hitch point to stereo, screen or Quadcam system.



APPLICATION GUIDE

AutoChimp™ cameras can be connected directly to aftermarket screens or factory Toyota screens through our OEM integration patch harnesses.

Depending on what type of display you are using, your connection cable will vary.



Adapters sold separately or included in kits when necessary

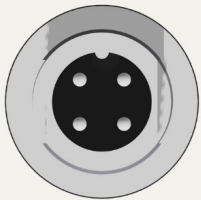
TYPES OF CONNECTION

1. **AutoChimp™ OEM Adapters** - 4 Pin Direct Connection (Toyota Style)
2. **AutoChimp RCA Adapter** - RCA Video + 2-PIN JST Power
3. **AutoChimp™ PCB Adapter** - 4-Pin JST Video + Power

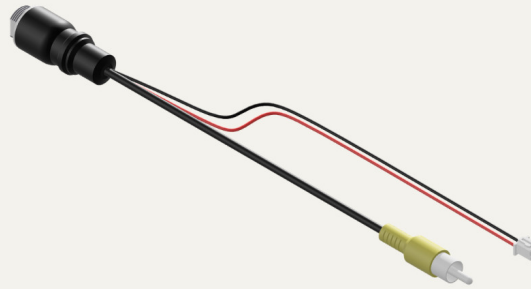
1.



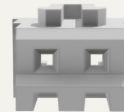
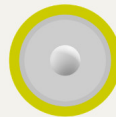
4 Pin Direct Connect



2.



RCA Output + 2 Pin JST



3.



4 Pin JST



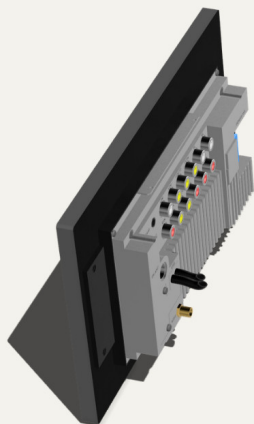
(Adapters sold separately or included with Kits)

CAMERA INTERFACING

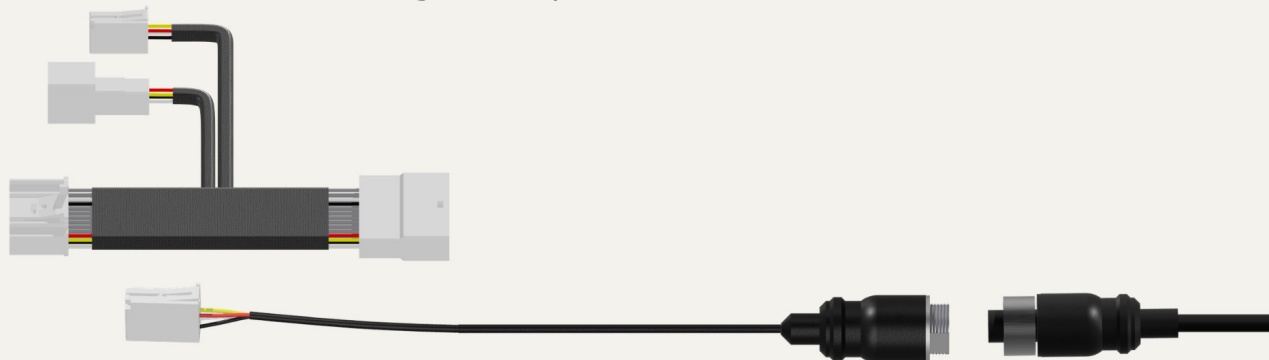


AC-HEAVY-CAM-RCA is used for direct connection to AutoChimp™ Dual + Quad Camera systems.

Plus can be used for universal connection to stereos & screens with composite video input.

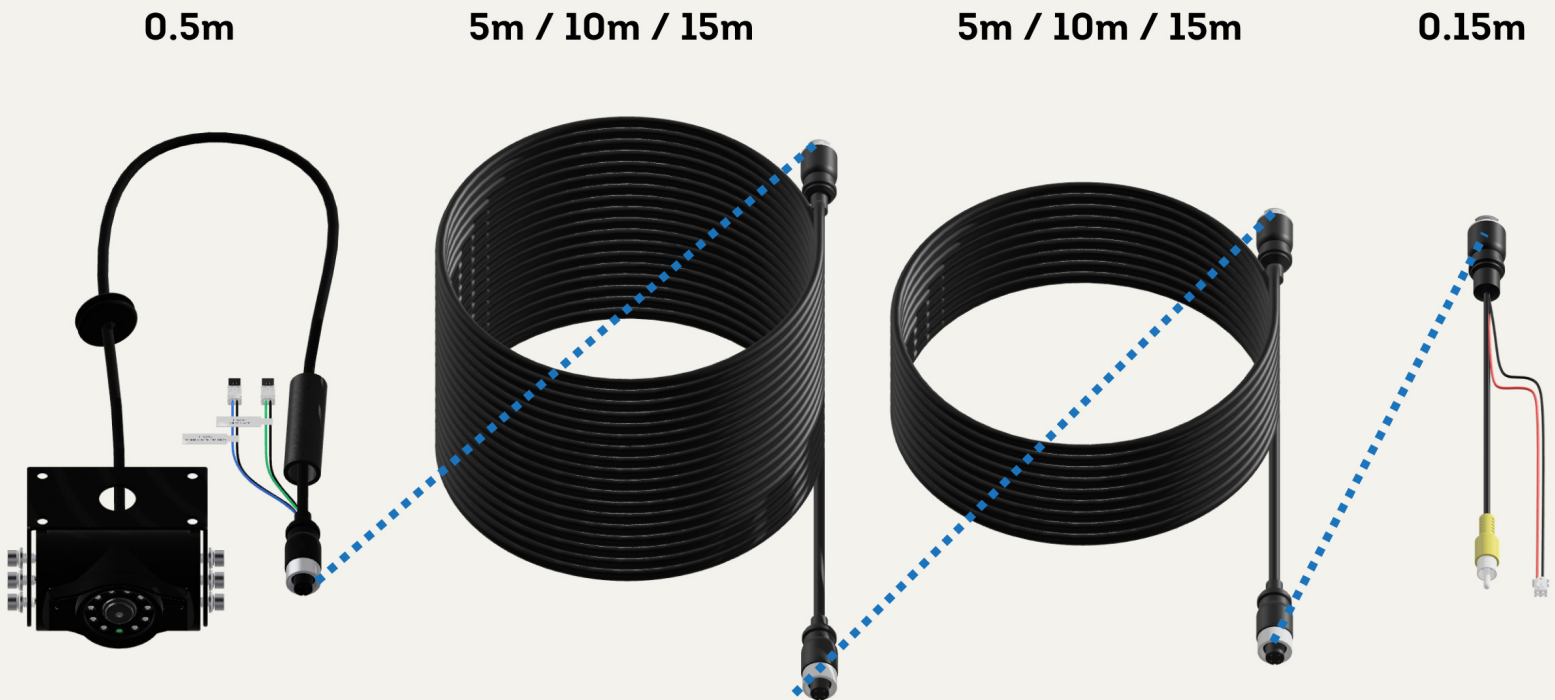


AutoChimp™ cameras can also be connected directly to factory Toyota screens or through our OEM integration patch harnesses.



EXTENSION CABLES AVAILABLE

Heavy Duty extension cables are available in 5m, 10m and 15m lengths and can be combined in various combinations up to a maximum cable run of 45m.



Insert cables in line with each other and end to end.

HEAVY DUTY SERIES

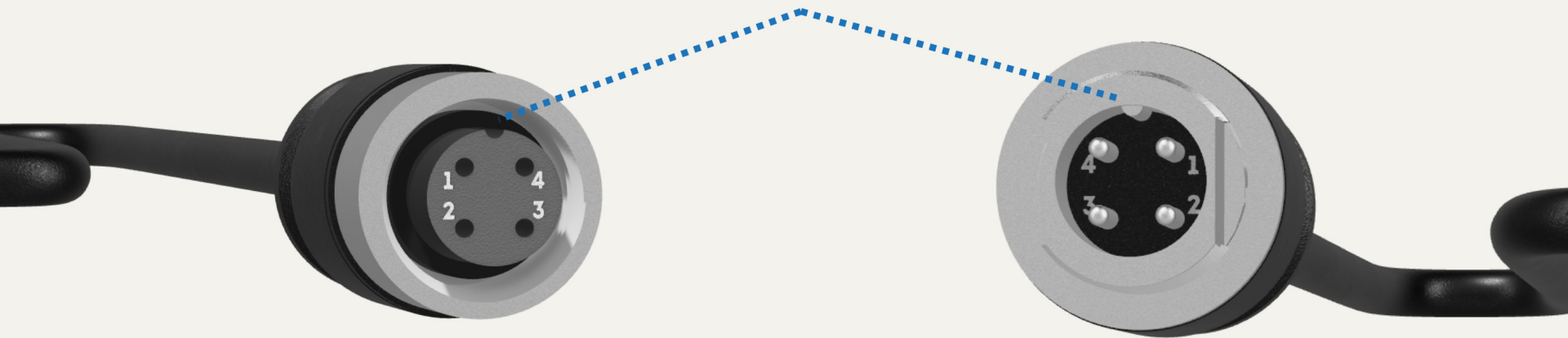
4 PIN CONNECTOR PIN OUT

Male (Camera Side)

Female (Display Side)

Important:

View connector face with orientation tab at top.



Pin

Function

Wire

- Pin 1
 - Pin 2
 - Pin 3
 - Pin 4
- 6V - 24V Power
- Ground / Earth
- Video - / Shield
- Video + Signal

- Red
- Black
- White
- Yellow

PRO SERIES

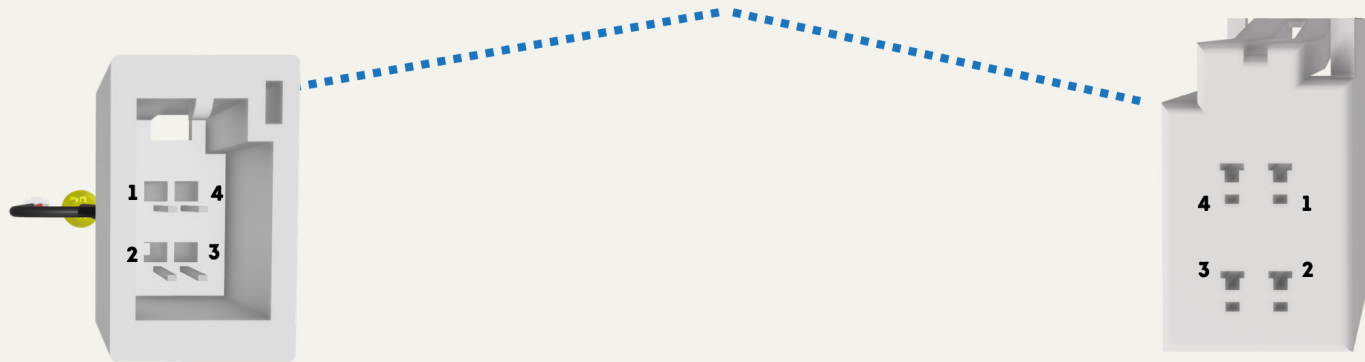
4 PIN CONNECTOR PIN OUT

Female Side (Towards Display)

Male Side (From Camera)

Important:

View connector face with orientation tab at top.



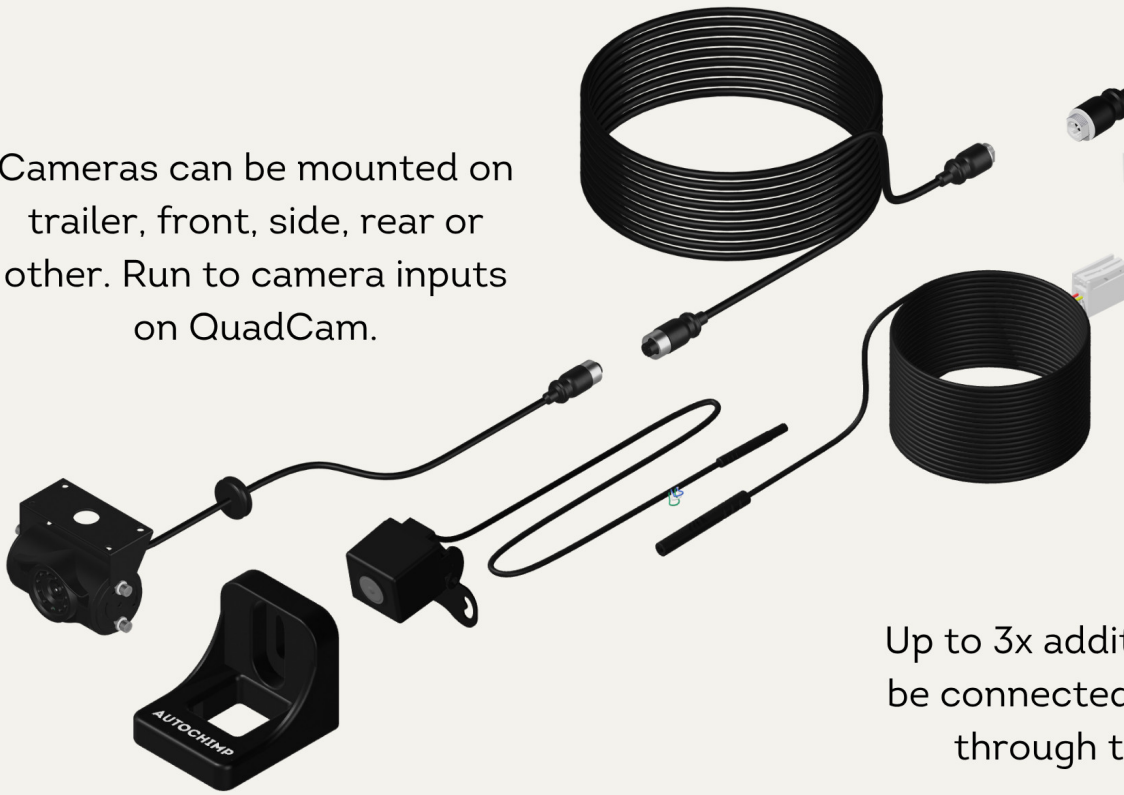
<u>Pin</u>	<u>Function</u>	<u>Wire</u>
• Pin 1	6V - 12V Power	Red
• Pin 2	Ground / Earth	Black
• Pin 3	Video - / Shield	White
• Pin 4	Video + Signal	Yellow

FITMENT GUIDE

AutoChimp™ Multi-Camera System

AutoChimp Pro Series & Heavy Duty cameras direct connect and power from the QuadCam interface. Completely plug & play

Cameras can be mounted on trailer, front, side, rear or other. Run to camera inputs on QuadCam.



Universal 12v Power connections also available for using other brand cameras.

Up to 3x additional cameras can be connected to factory screen through the RCA inputs.

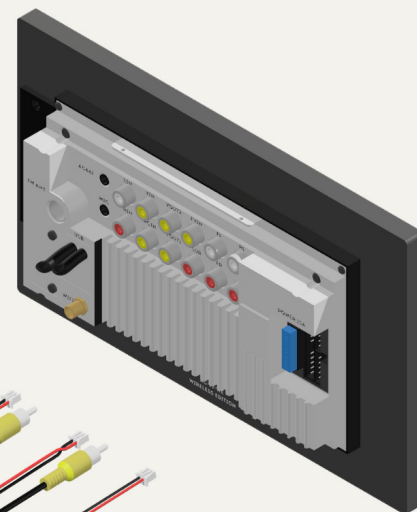
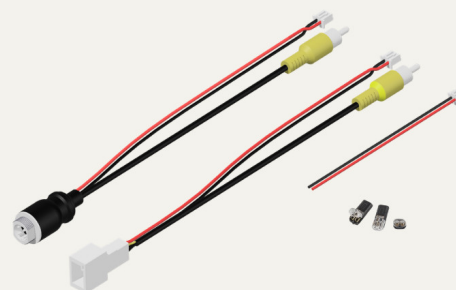
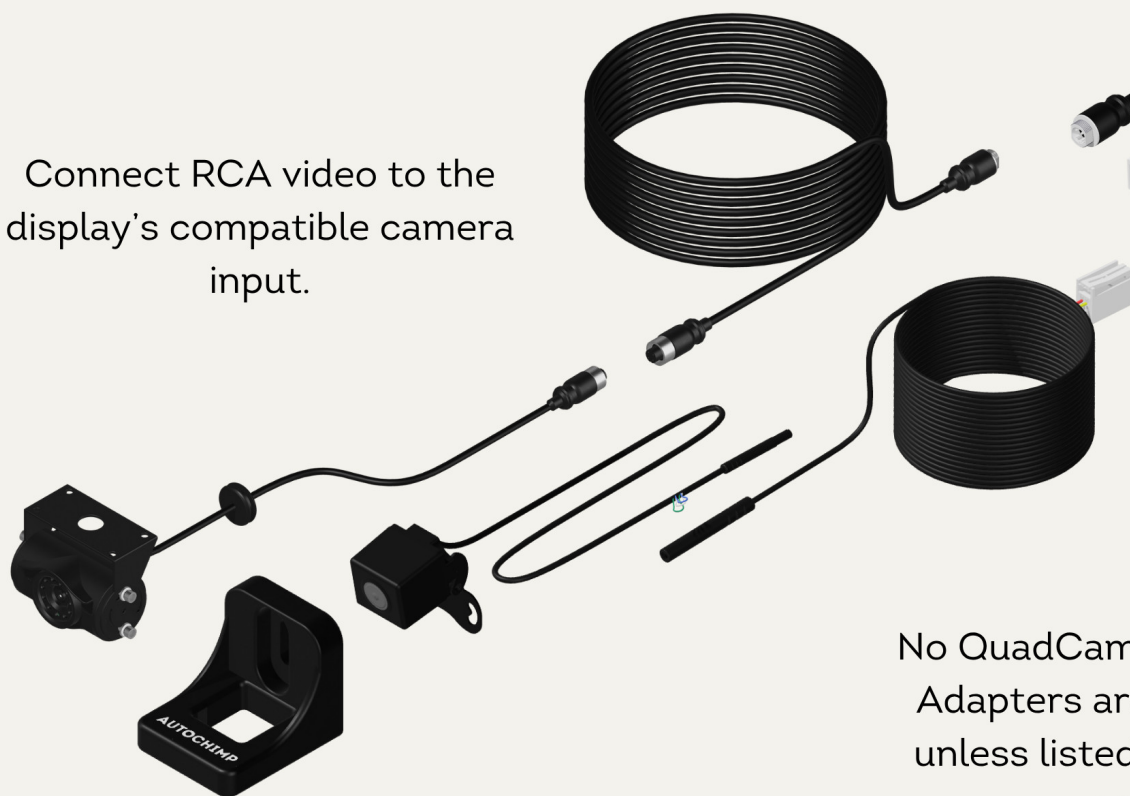
FITMENT GUIDE

Aftermarket Screens

Direct connection to a compatible screen.
Match the camera's video format to the display
input.

Connect RCA video to the
display's compatible camera
input.

Connect camera power
and earth to a suitable
supply.

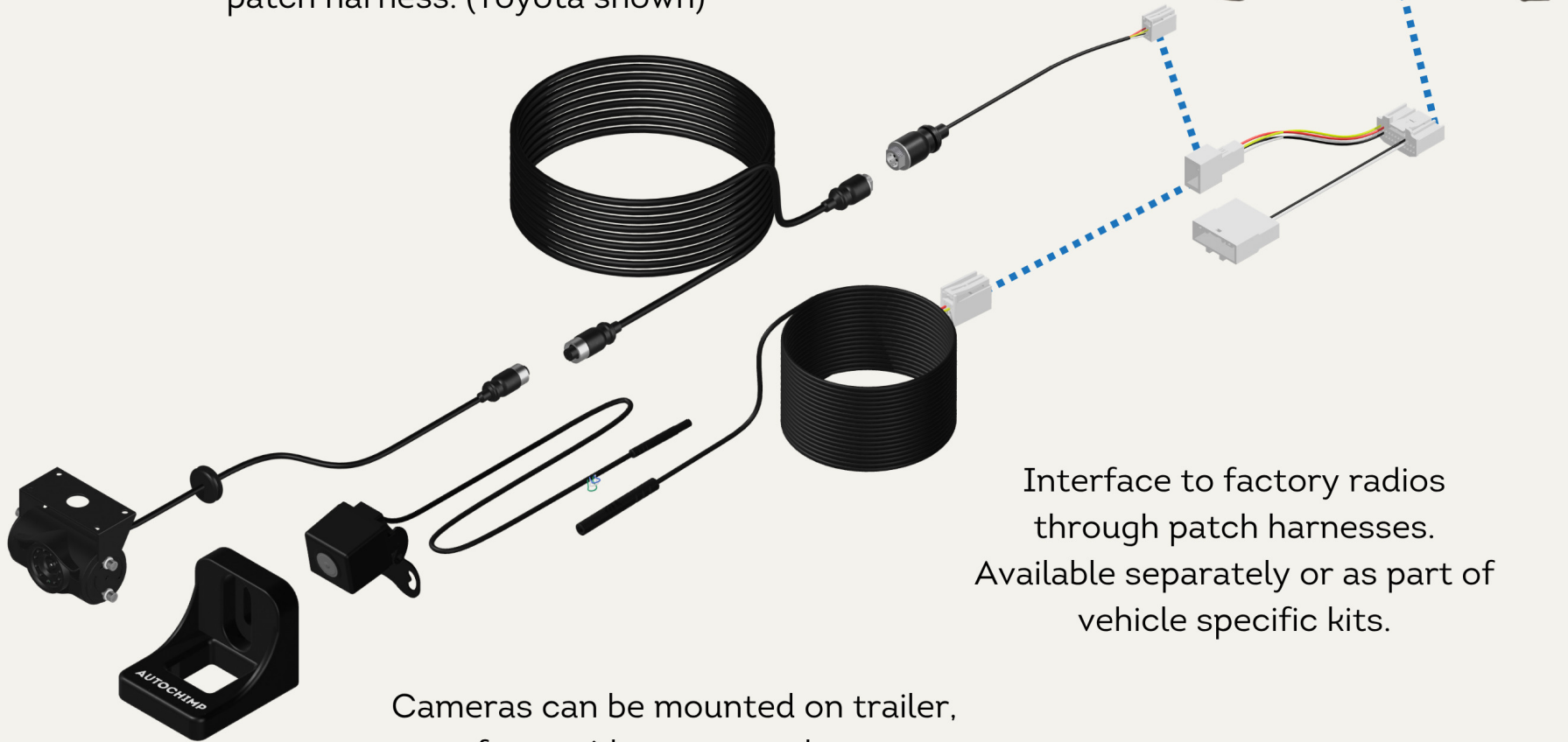


No QuadCam module is shown.
Adapters are sold separately
unless listed in this product's
contents.

FITMENT GUIDE

OEM Screens & Stereos

AutoChimp Pro Series & Heavy Duty cameras direct connect and power from the vehicle specific patch harness. (Toyota shown)



Cameras can be mounted on trailer, front, side, rear or other.

Interface to factory radios through patch harnesses. Available separately or as part of vehicle specific kits.

INSTRUCTIONS

HEAVY DUTY TWIN CAMERA

SKU AC-HEAVY-TWIN-CAM

Scan for the install walkthrough on our website: the full video guide, wiring diagram and fitment guide for this kit.

INSTALL VIDEO

WIRING DIAGRAM

FITMENT GUIDE

Or type autochimp.com.au/guide/ac-heavy-twin-cam

Stuck? SMS +61 411 101 737, Mon–Fri 10am–4pm AEST

3-year warranty · see the warranty card in this box



[GUIDE + VIDEO](#)



LOGIN & RETURNS

Scan the code with your phone camera to open your AutoChimp account. No password needed — we email you a six-digit code.

- Track your order and download tax invoices
- Start a return, exchange or warranty claim
- Lodge a Shipping Protection claim
- Find every install guide for what you bought

accounts.autochimp.com.au · support@autochimp.com.au



YOUR ACCOUNT