

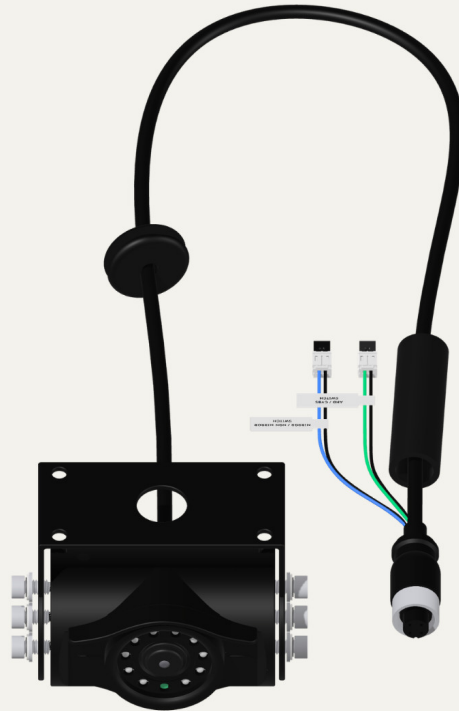


Heavy Duty Camera
6-24V - AHD / CVBS
(NTSC-PAL)



WHAT'S INCLUDED

Rubber Sealing
Grommet



Waterproof Cable Cover

Heavy Duty
IR Camera AHD / CVBS
(NTSC-PAL)

4x Mounting
Screws



SKU: AC-HEAVY-CAM

HEAVY DUTY SERIES CAMERA

Commercial-grade camera for rear, front, trailer and demanding vehicle installations. Rugged adjustable bracket and Heavy Duty 4-pin aviation connection for trailers, caravans, utes, 4WDs, work vehicles and fleet applications.



AHD / CVBS (NTSC-PAL) selectable video, mirror / normal image switching and 6V-24V operation suit a wide range of screens and camera systems.

CAMERA FEATURES

Configurable Setup:

Image Flip: Mirror / Non-Mirror

Video Select: AHD / CVBS (NTSC-PAL)

Rubber dust & water cover



Cable Sealing Rubber
Grommet

360° adjustable mounting bracket
with stainless-steel hardware.

Bracket can be rotated or reversed to
suit multiple mounting positions.

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



Cable Length:
500mm

Height:
60mm Overall
45mm Camera



Width: 75mm
Depth: 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



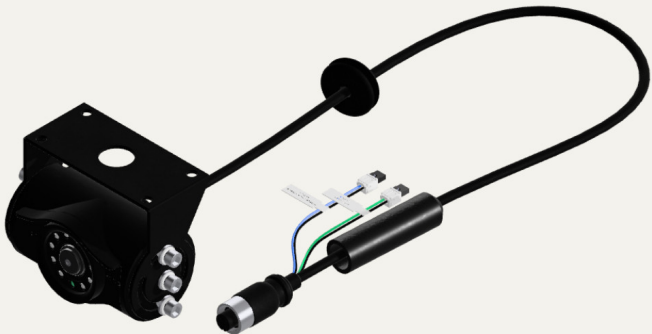
SKU: AC-HEAVY-CAM

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.



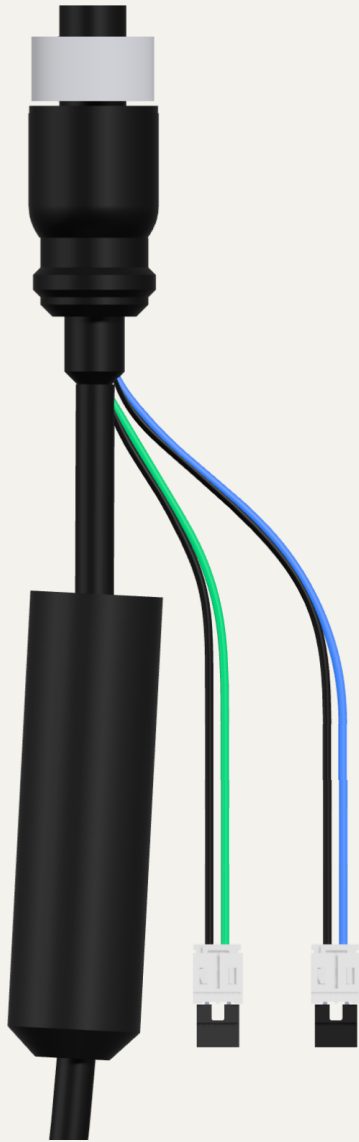
Power & Video Signal Output
for Connection to screen,
interface or stereo.



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 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)

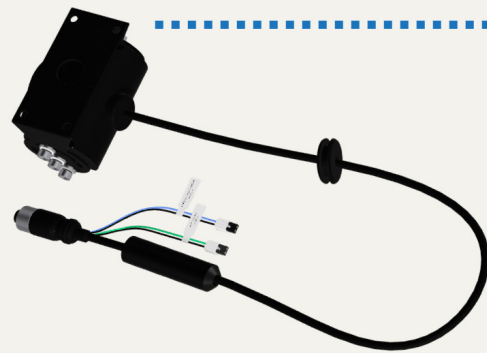
Jumper on = AHD, off = CVBS. The camera has a built-in converter and ships set to AHD.

Scan the QR on your info card

SMS +61 411 101 737

MOUNTING AS REAR CAMERA

Mount Heavy Duty at the rear with supplied bracket and screws.

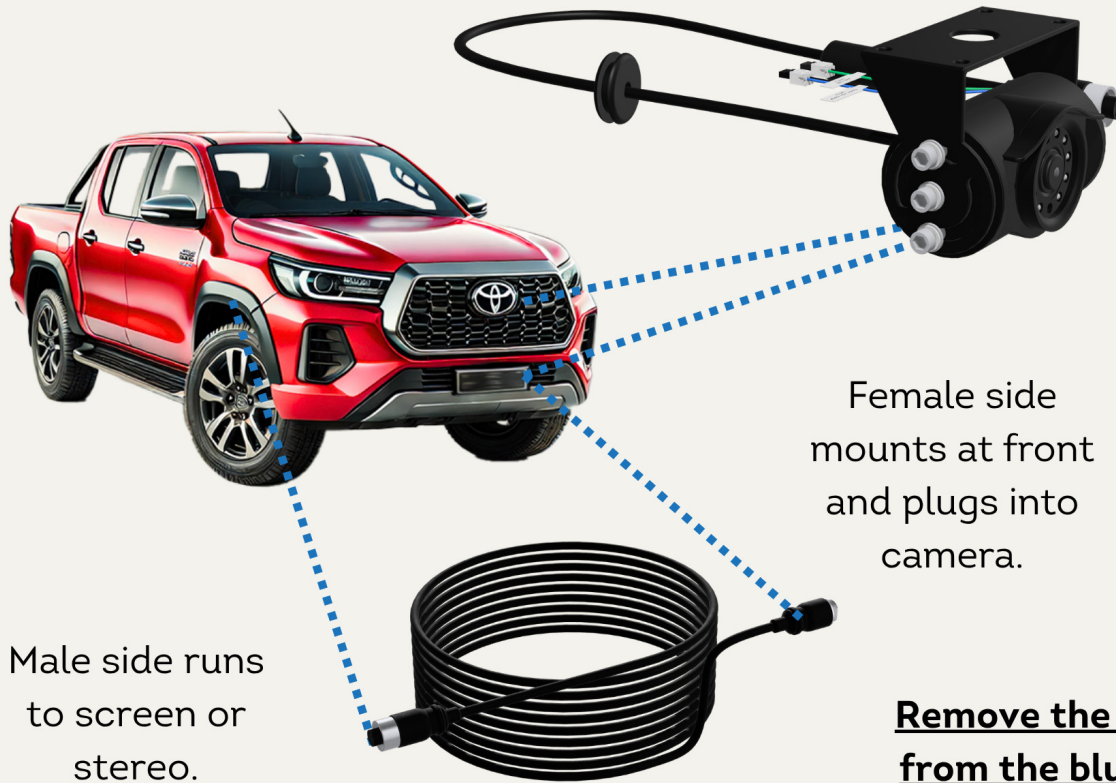


Bracket can be adjusted 360 degrees for horizontal or vertical mounting.



Extension & power cable runs from rear to front to behind stereo/drivers kick panel and into selected interface harness, stereo or screen using adapters.

MOUNTING AS FRONT CAMERA



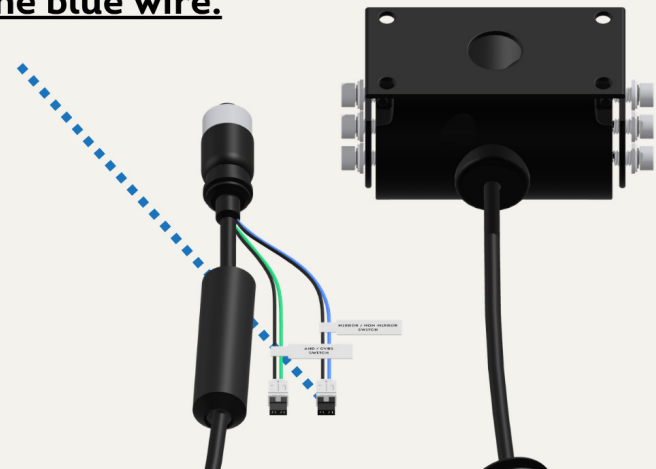
Camera mounts in the front of the vehicle. Either behind grill or number plate are the most common positions.



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

Remove the jumper from the blue wire.

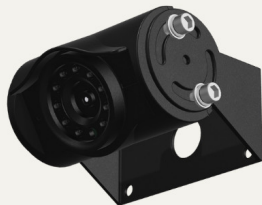
Camera power cable runs from front grille through firewall, then routes up to behind stereo.



MOUNTING WITH TRAILERS



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

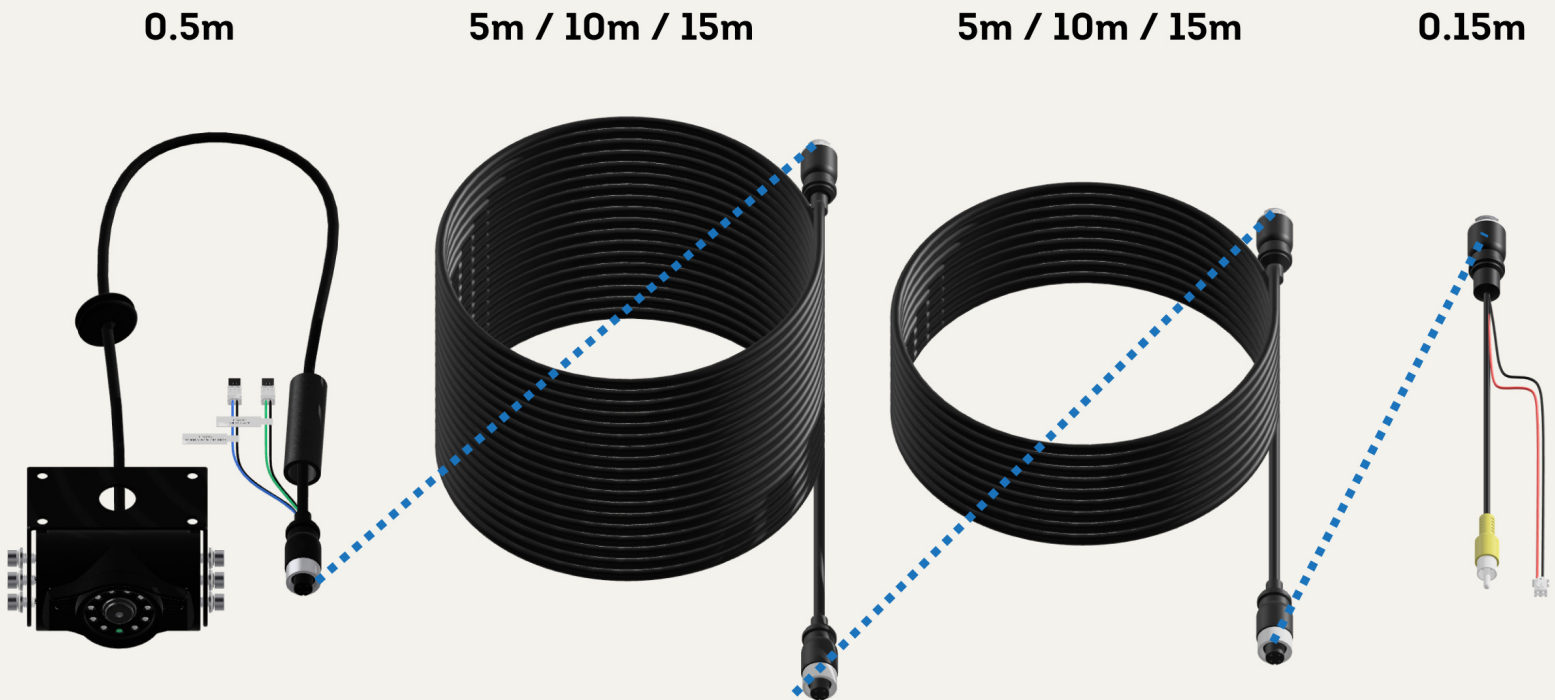


Run extension cable from hitch point to stereo, screen or AutoChimp Interface

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

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.

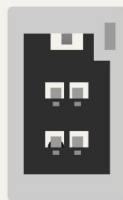
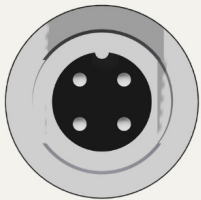
TYPES OF CONNECTION

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

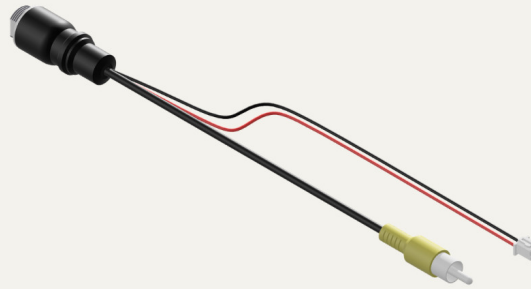
1.



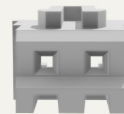
4 Pin Direct Connect



2.



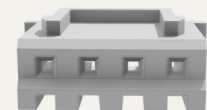
RCA Output + 2 Pin JST



3.



4 Pin JST



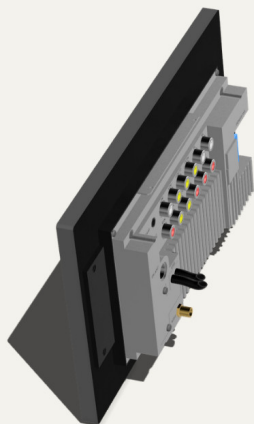
(Adapters sold separately or included with Kits)

CAMERA INTERFACING

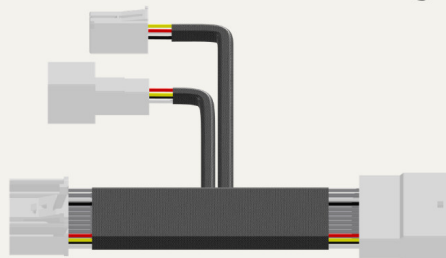


AC-HEAVY-CAM-RCA is used for direct connection to AutoChimp™ Dual + Quad Camera systems.

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



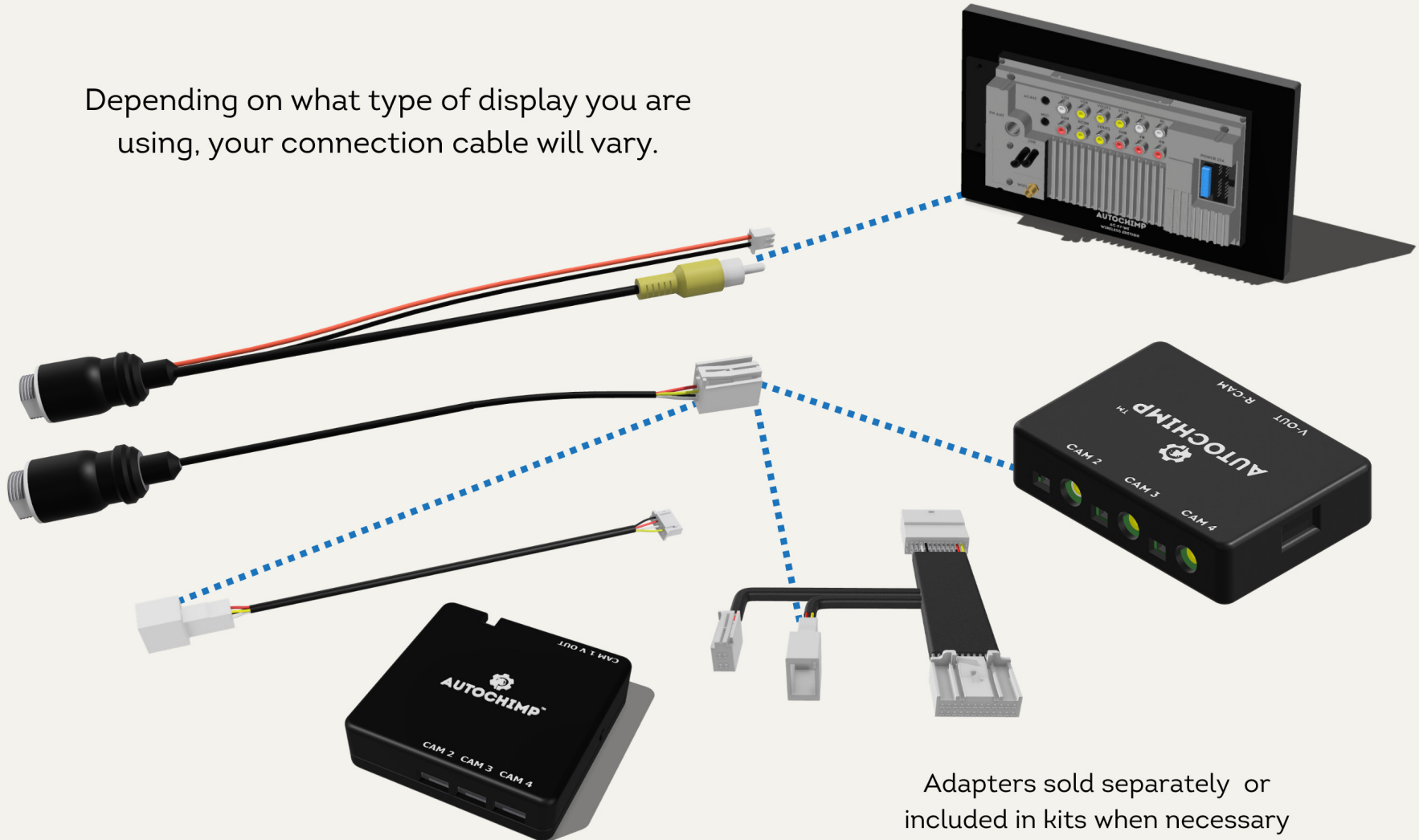
AutoChimp™ cameras can also be connected directly to factory Toyota screens or through our OEM integration patch harnesses.



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

HEAVY DUTY SERIES

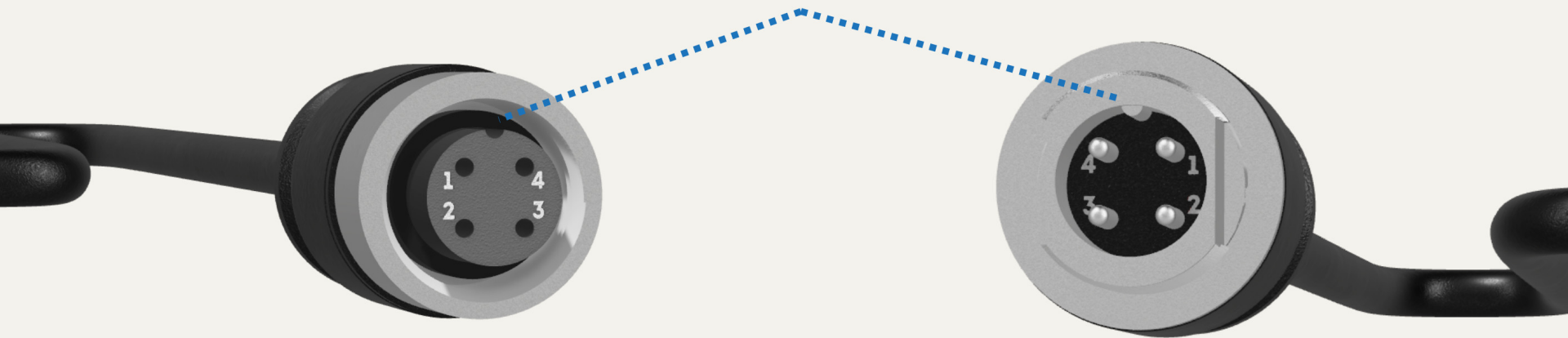
4 PIN CONNECTOR PIN OUT

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

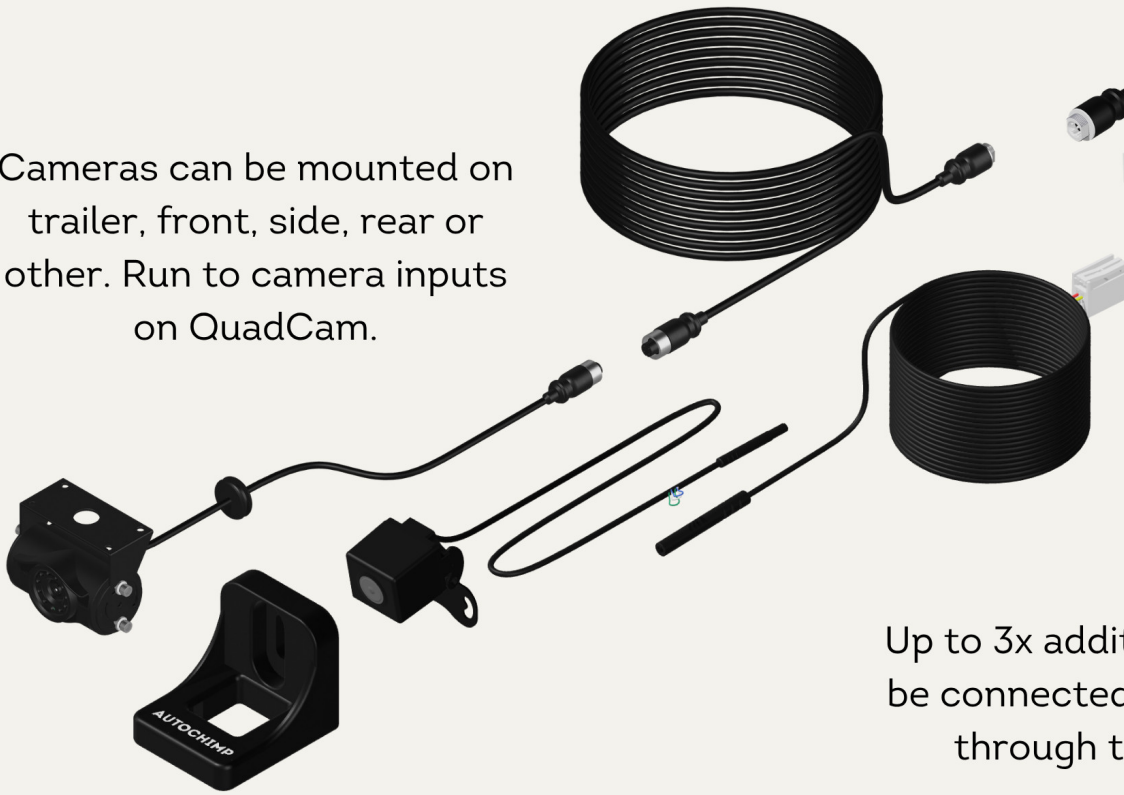
- Red
- Black
- White
- Yellow

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.

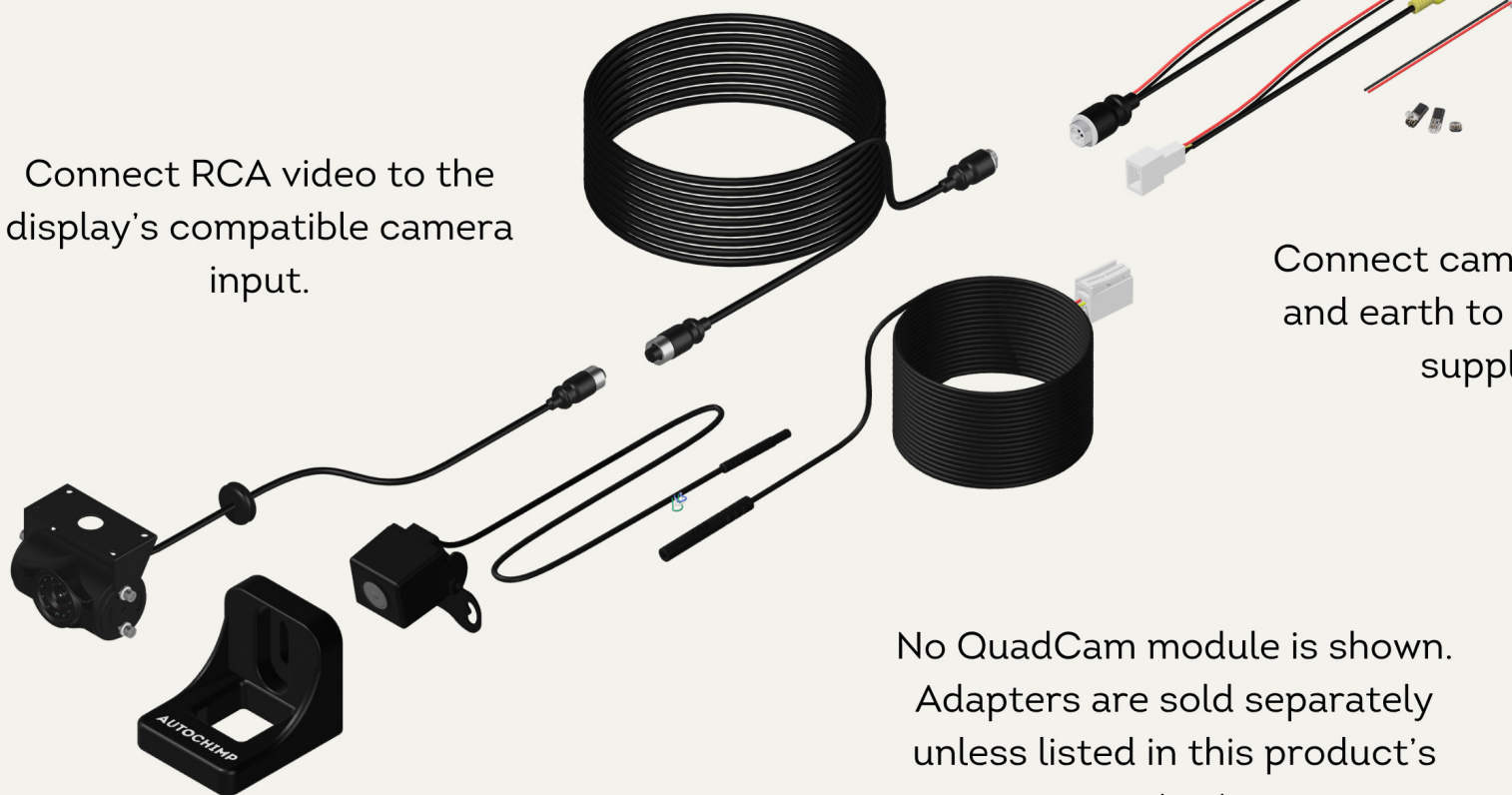
FITMENT GUIDE

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.

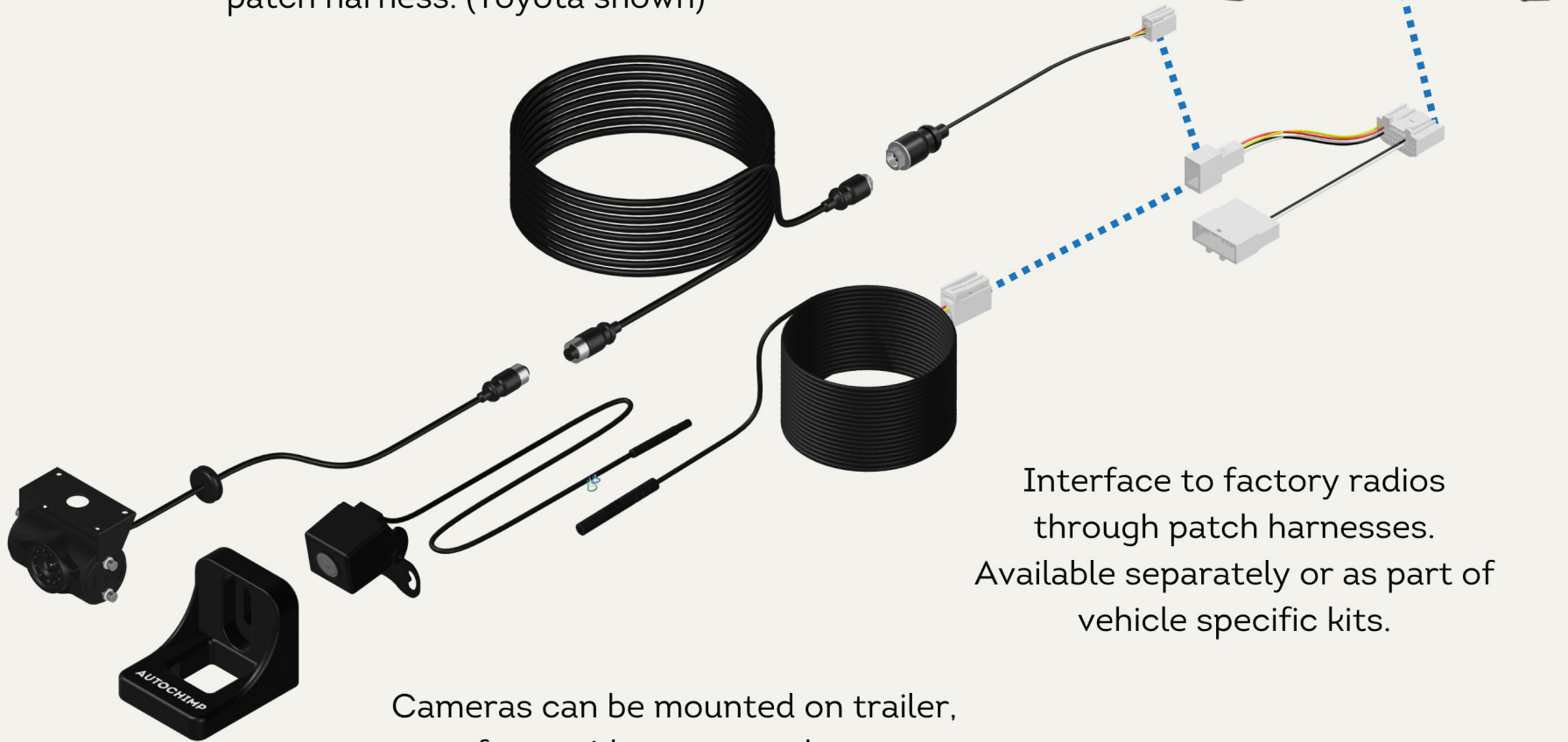


No QuadCam module is shown.
Adapters are sold separately
unless listed in this product's
contents.

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 CAMERA

SKU AC-HEAVY-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-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