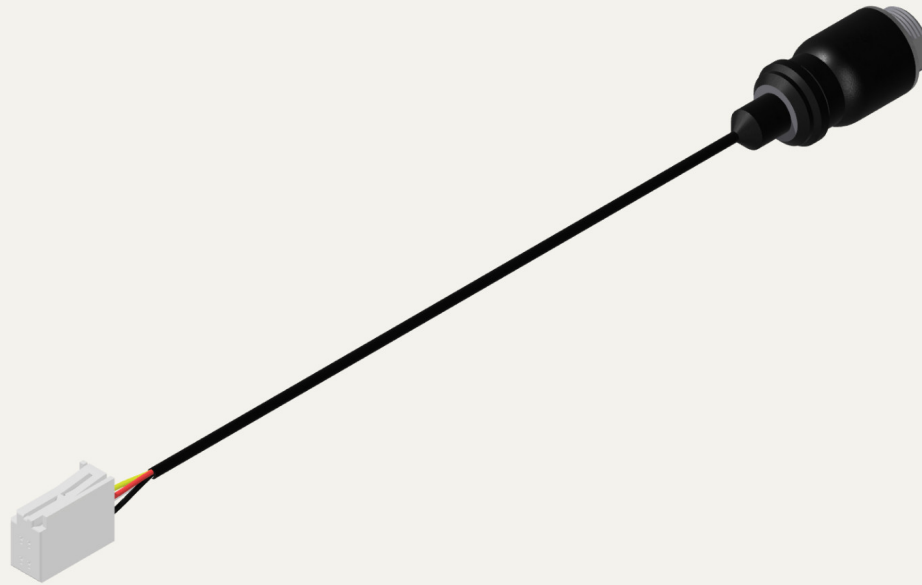
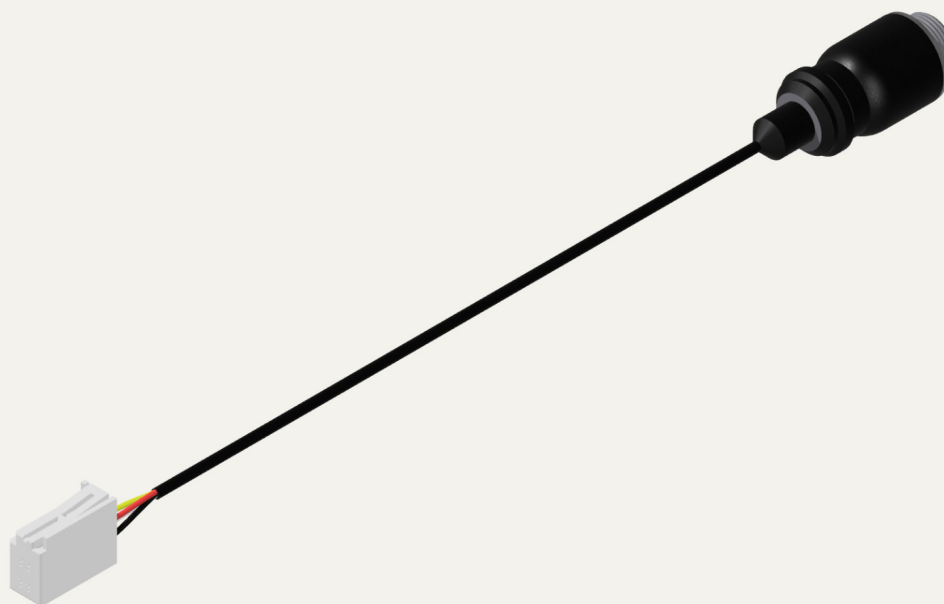




Built for AutoChimp™
Heavy Duty Camera



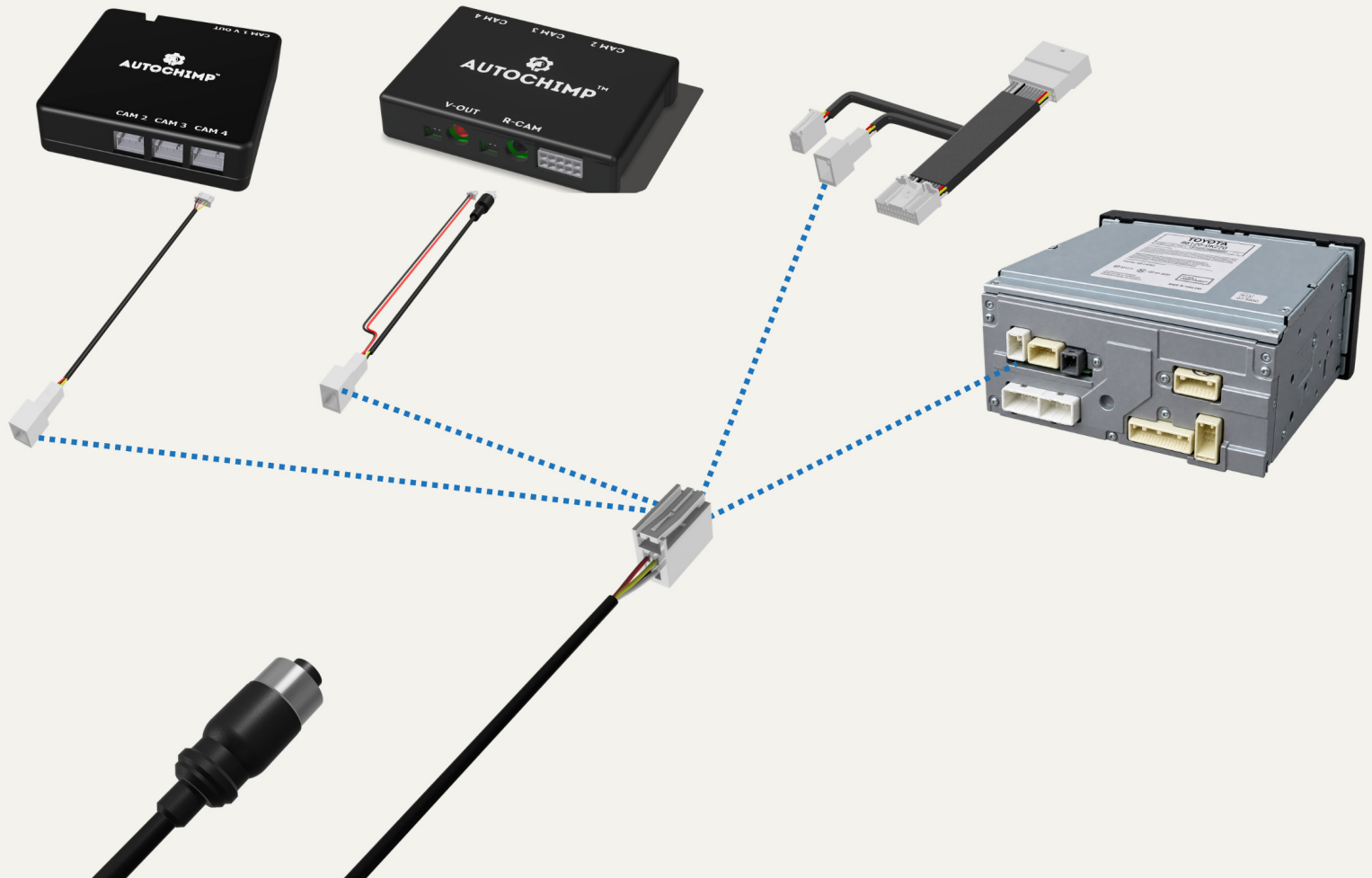
CONTENTS



SKU: AC-HEAVY-CAM-4PIN

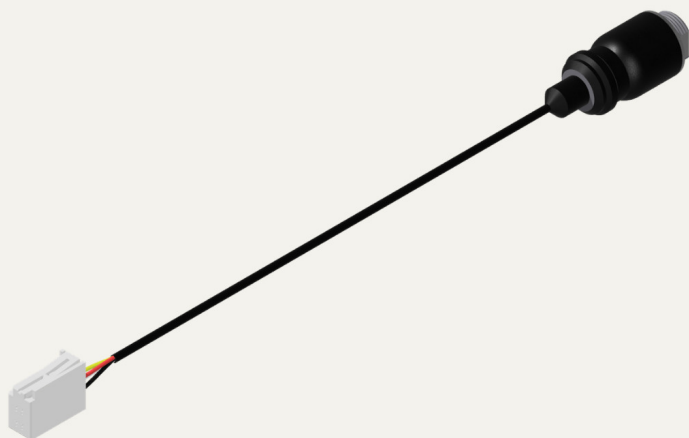
HOW IT WORKS

The AC-HEAVY-CAM-4PIN steps the 4-pin aviation connector on AutoChimp™ Heavy Duty Series cameras down to the 4-pin Pro Series connection for plug-and-play integration. Heavy Duty cameras are AHD/NTSC selectable and run on the factory 6V camera output found on many OEM vehicles, including Toyota – so the same camera can feed a factory screen through a patch harness, or an AutoChimp™ Pro Series system, without splicing.



DIMENSIONS

Adapter Harness



Cable Length: 165mm
Overall Length: 225mm

4 Pin Connector

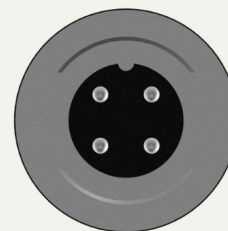


Width: 11mm
Height: 18mm



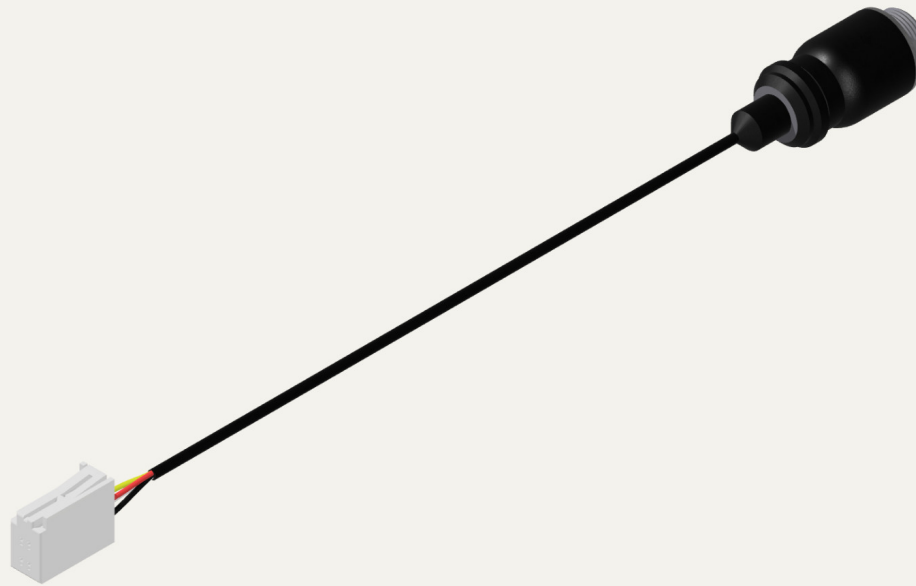
Width: 10mm
Height: 17mm

4 Pin Aviation Connector



Inner Plug Diameter: 8.5mm
Outer Shell Diameter: 14mm

WHAT'S INCLUDED



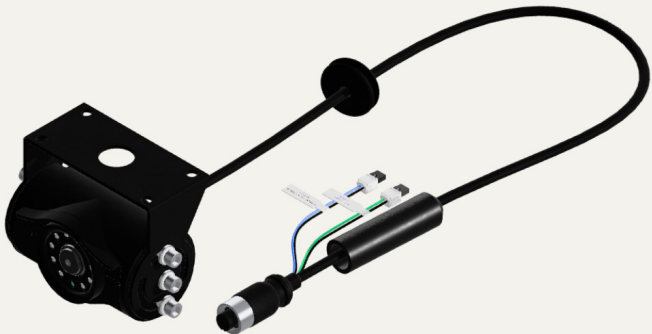
SKU: AC-HEAVY-CAM-4PIN

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)

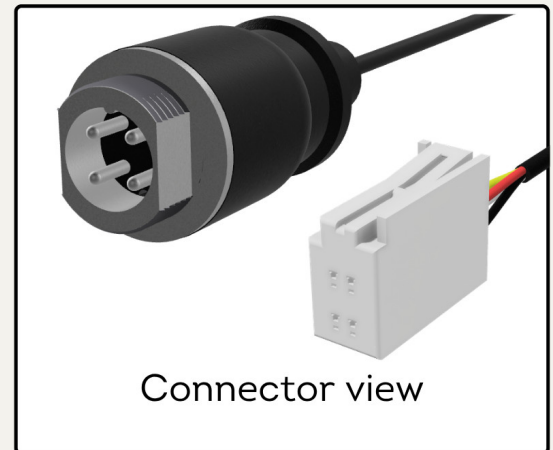
<u>Pin</u>	<u>Function</u>	<u>Wire</u>
• Pin 1	6V - 24V Power	 Red
• Pin 2	Ground / Earth	 Black
• Pin 3	Video - / Shield	 White
• Pin 4	Video + Signal	 Yellow

CONNECTION GUIDE

Aviation style connector plugs into
AutoChimp™ Heavy Duty Cameras or
aftermarket cameras.
(eg: SafetyDave cameras)



Connects to AutoChimp™ interface harnesses.
Plug & play power & video signal.

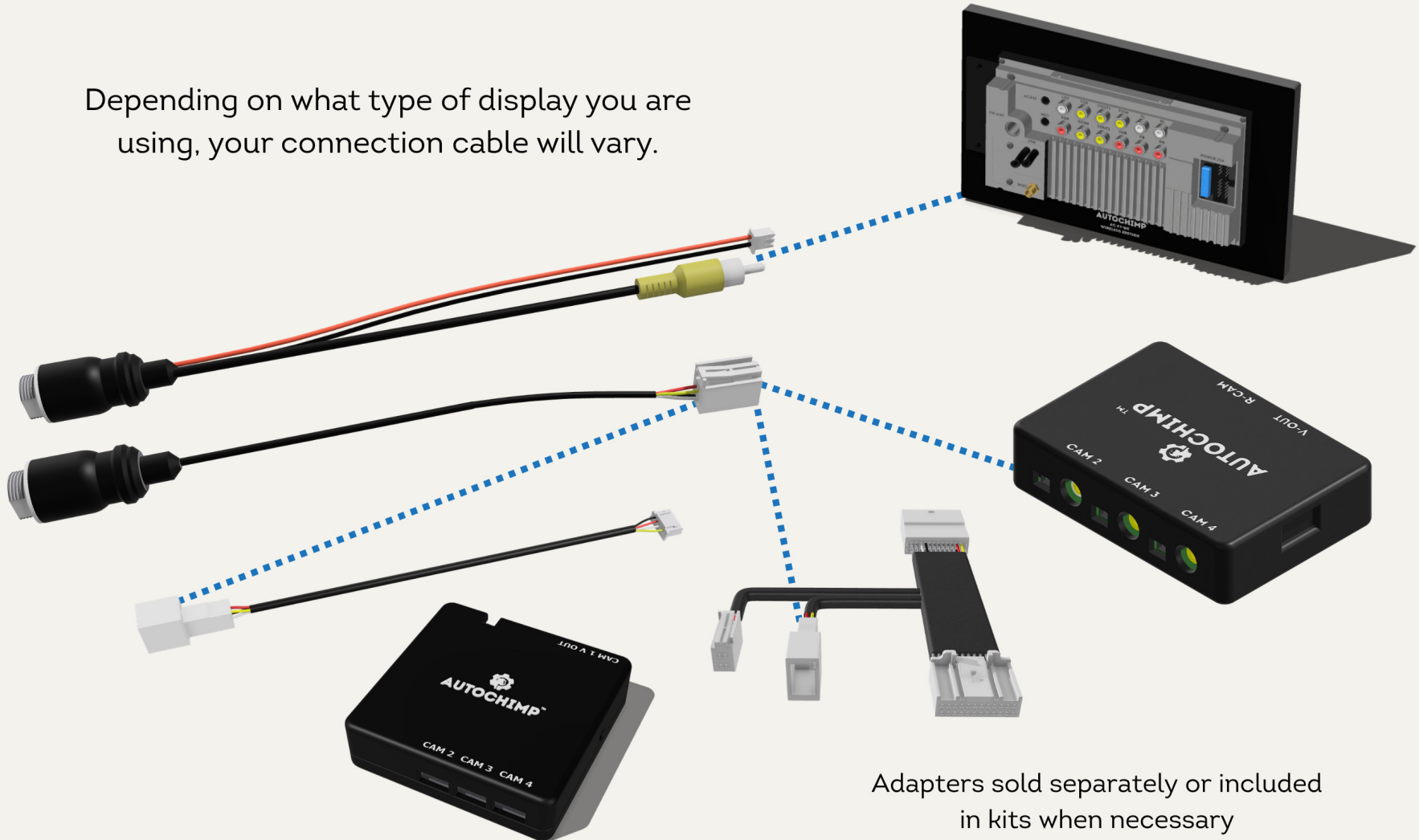


Connector view

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.

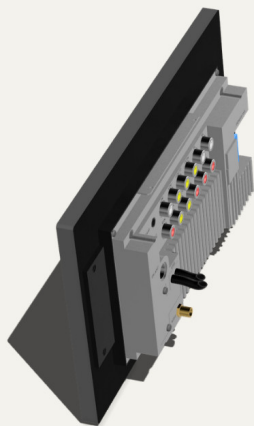


CAMERA INTERFACING

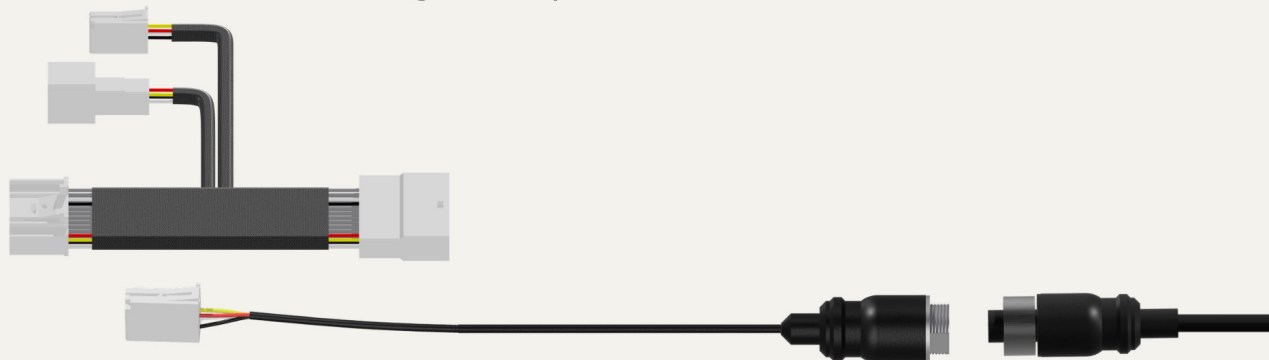


AC-HEAVY-CAM-RCA is used for direct connection to AutoChimp™ Dual + Quad Camera systems.

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.



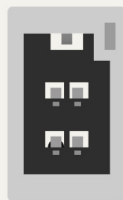
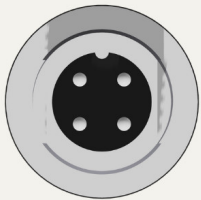
TYPES OF CONNECTION

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

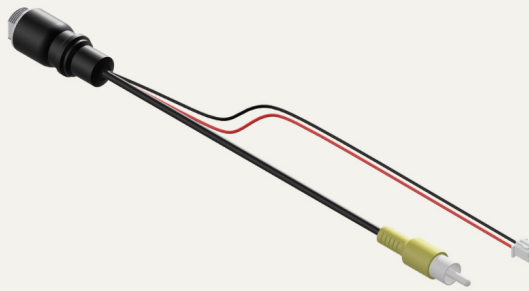
1.



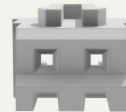
4 Pin Direct Connect



2.



RCA Output + 2 Pin JST



3.



4 Pin JST

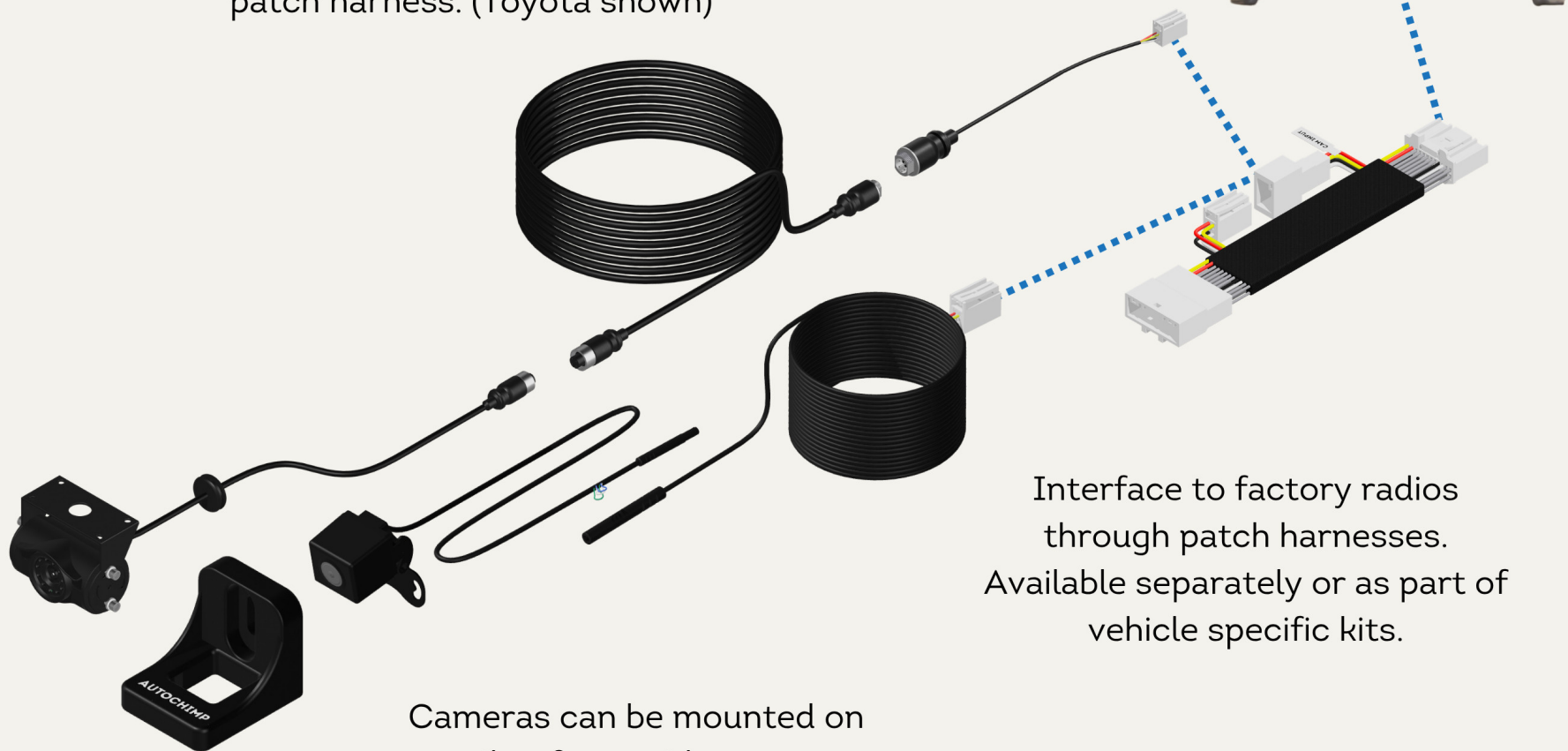


(Adapters sold separately or included with kits)

FITMENT GUIDE

OEM Screen Integration

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



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

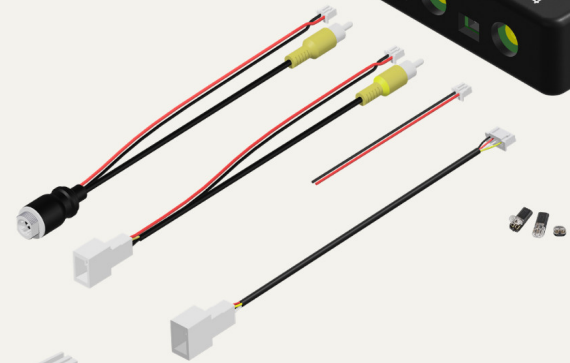
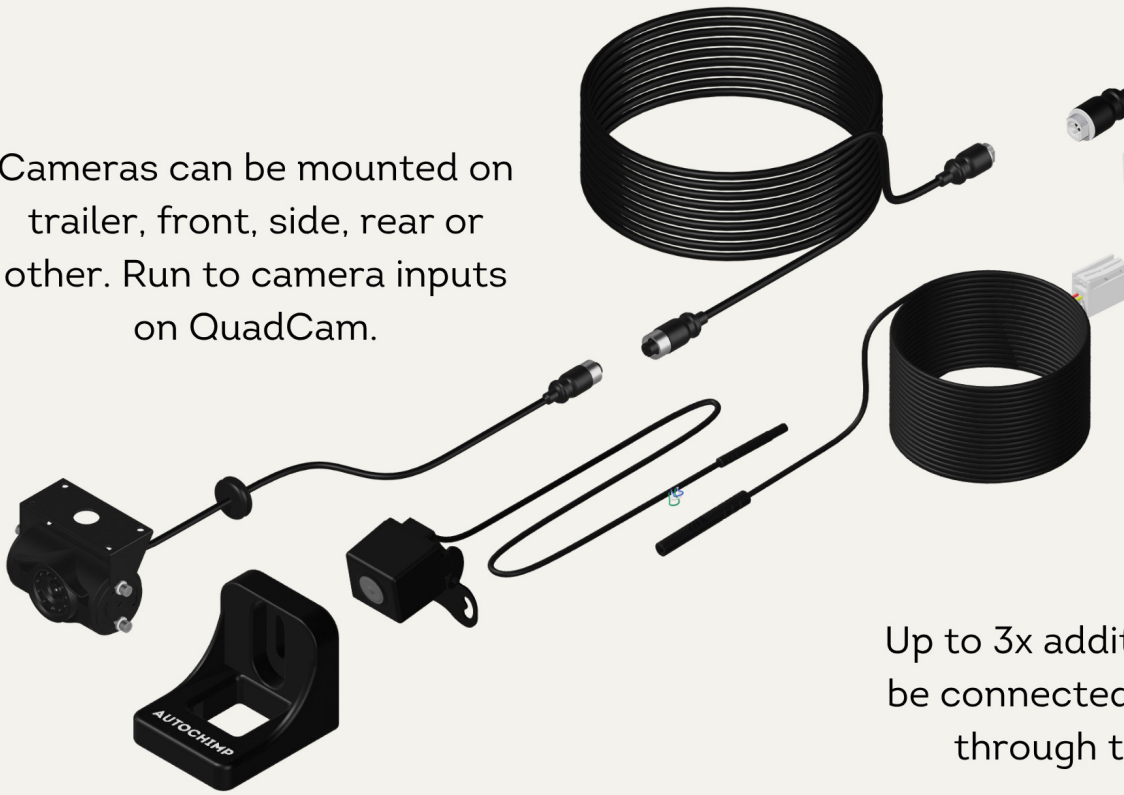
Cameras can be mounted on trailer, front, side, rear or other.

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.

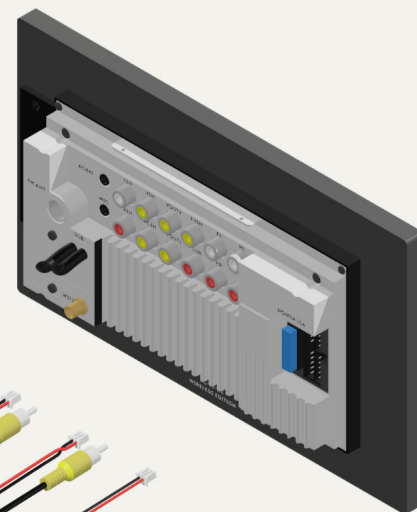
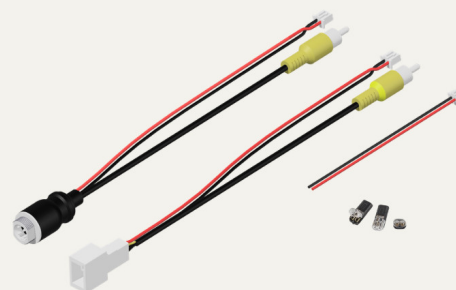
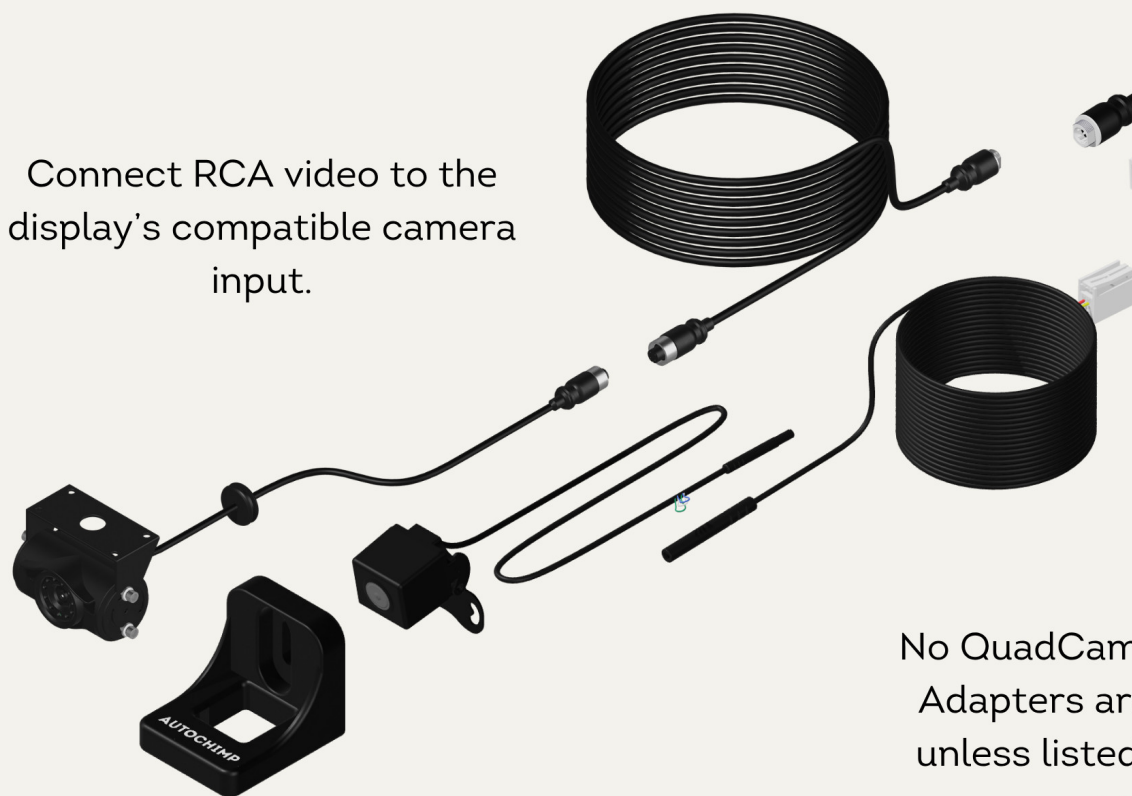
FITMENT GUIDE

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.

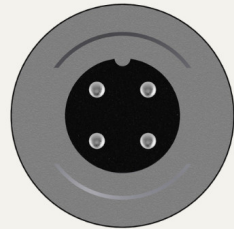
WIRING DIAGRAM

Connects to AutoChimp™ Heavy Duty
Cameras or other 4 Pin Pro Series Connector

Wire Colour

Function

-  CAM Power - 6V - 24V Output
-  CAM V+ - Input
-  CAM V- - Input
-  CAM Ground - 0V



Connectors



Top



Bottom



To AutoChimp™ QuadCam module,
interface harness or Pro Series Connector.

HEAVY DUTY SERIES

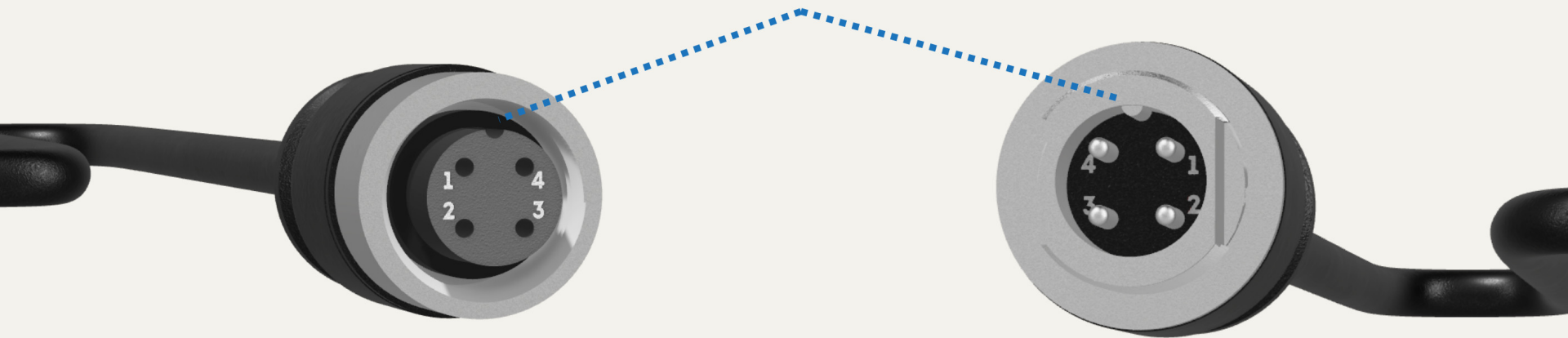
4 PIN CONNECTOR PIN OUT

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

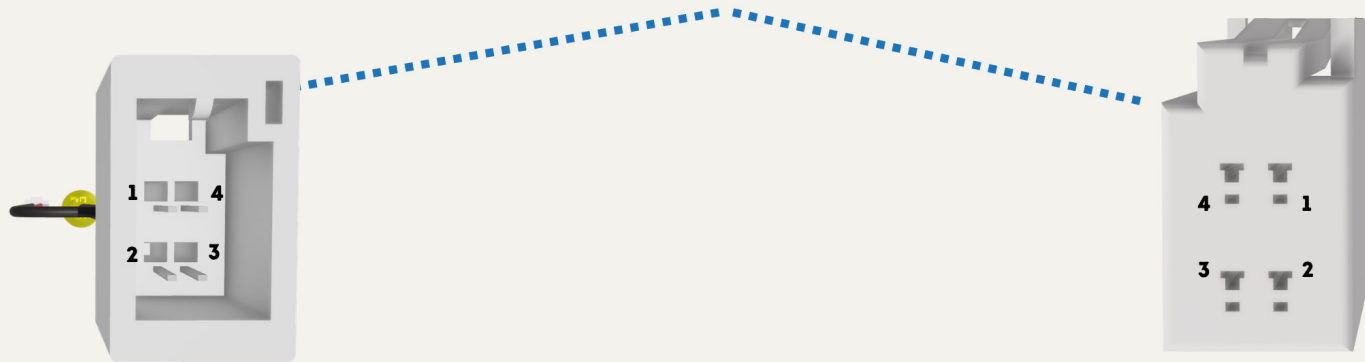
4 PIN CONNECTOR PIN OUT

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 - 24V Power	Red
• Pin 2	Ground / Earth	Black
• Pin 3	Video - / Shield	White
• Pin 4	Video + Signal	Yellow

INSTRUCTIONS

HEAVY DUTY CAMERA ADAPTER CABLE

SKU AC-HEAVY-CAM-4PIN

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-4pin

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