



Built for 70 Series
LandCruiser (2014 - 2023)



KIT CONTENTS



SKU: AC-TOY-RC7

TOYOTA

AUTOCHIMP



AUTOCHIMP

Tasmania - Explore the possibilities



TO

AUTOCHIMP

PRO SERIES CAMERA

Universal 6V-12V camera for front, rear and custom vehicle installations.

Suitable for compatible Toyota factory screen systems, AutoChimp™ camera interfaces and RCA camera setups.

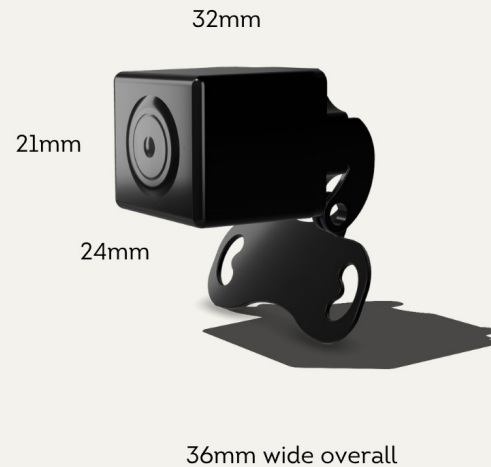


Modular adjustable mounting brackets allow grille, bumper, tray, canopy or custom mounting.

CAMERA DIMENSIONS



Mounting Bracket
Bracket Camera Assembly



Camera Body

COMPATIBLE VEHICLES

The AC-TOY-RC7 suits the Toyota LandCruiser 70 Series pre-facelift body shapes & dash/stereos shown below.

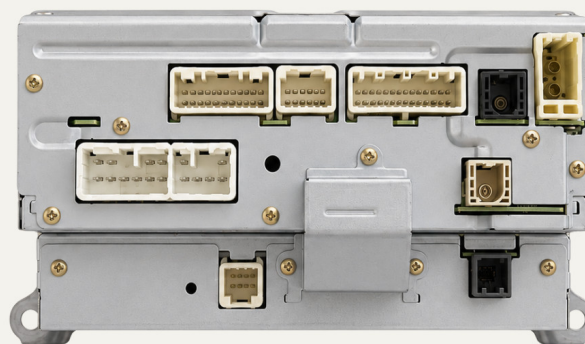
70 SERIES 2014-2023 (PRE FACELIFT)



Single Cab, Double Cab, Wagon and Troop Carrier, in Workmate, GX and GXL variants.

COMPATIBLE STEREOS

The AC-TOY-RC7 Kit is built for the factory stereo models pictured. It fits the pre-facelift Toyota LandCruiser 70 Series – 2014 to early 2023. Rear of the stereo pictured.



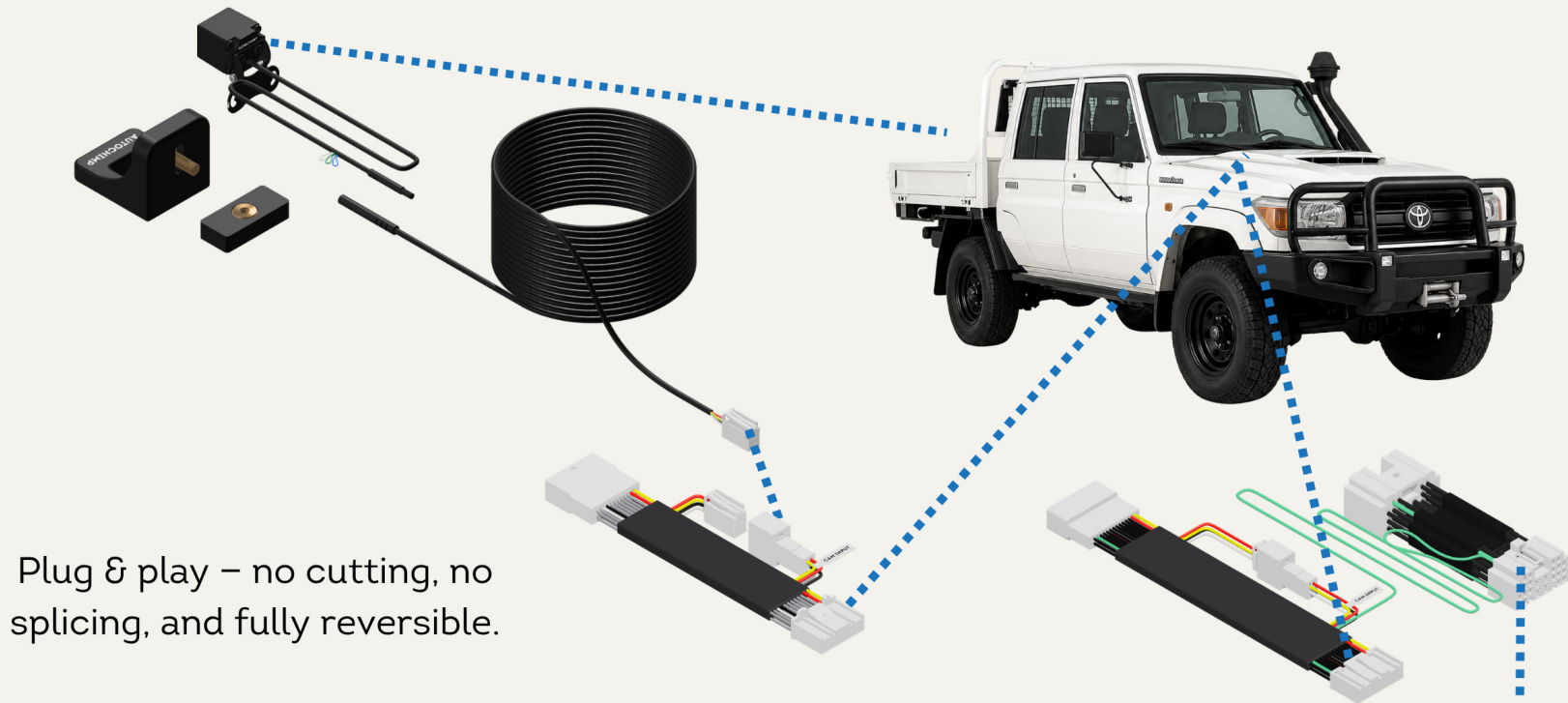
Supports both Auto & Manual Transmission Vehicles.
Suits vehicles with 12V electrical systems.

Camera feed is 6v, AutoChimp Pro series is designed for direct connection.

HOW IT WORKS

Includes the AutoChimp™ Pro Series camera, ready to fit.

1. Camera plugs into the interface harness
2. Harness connects behind the factory stereo
3. Select reverse and the camera shows on your factory screen – automatically



Note: See the Car Specific Wiring Kit slide and Connection Guide for full harness wiring.

CAMERA FEATURES

Configurable Camera Display

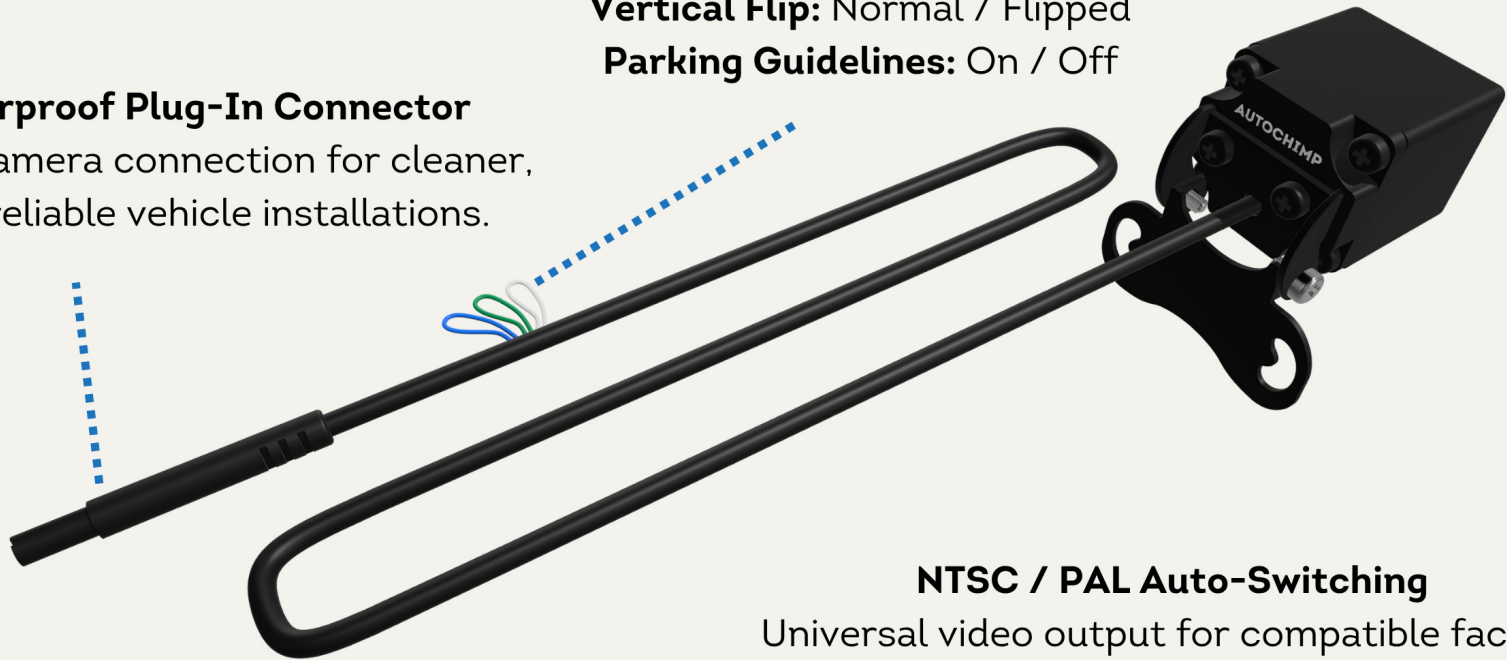
Horizontal Flip: Mirror / Non-Mirror

Vertical Flip: Normal / Flipped

Parking Guidelines: On / Off

Waterproof Plug-In Connector

Sealed camera connection for cleaner, more reliable vehicle installations.



NTSC / PAL Auto-Switching

Universal video output for compatible factory screens and RCA display systems.

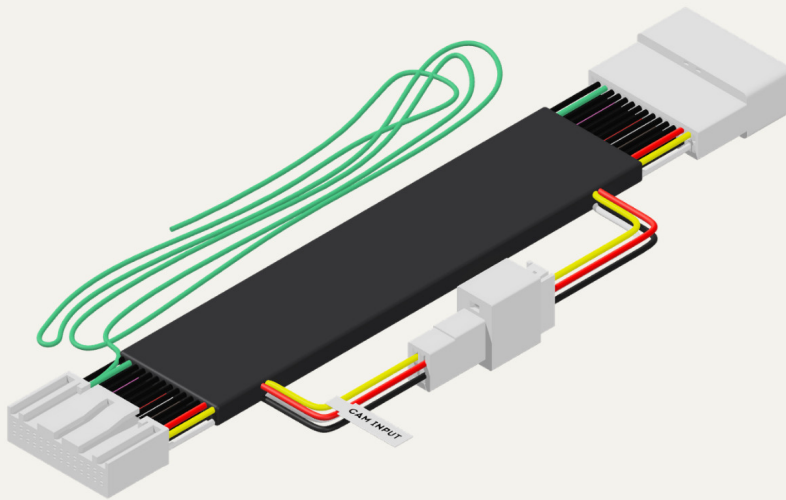
6V-12V Compatible

Ready for compatible Toyota factory screen systems, AutoChimp interfaces and RCA camera setups.

DIMENSIONS

HARNESS: AC-TOY-28PIN

Adapter Harness



Cables Length: 170mm
Overall Length: 220mm

4 Pin Connector



Width: 11mm
Height: 18mm



Width: 10mm
Height: 17mm

28 Pin Connector



Width: 36mm
Height: 13mm

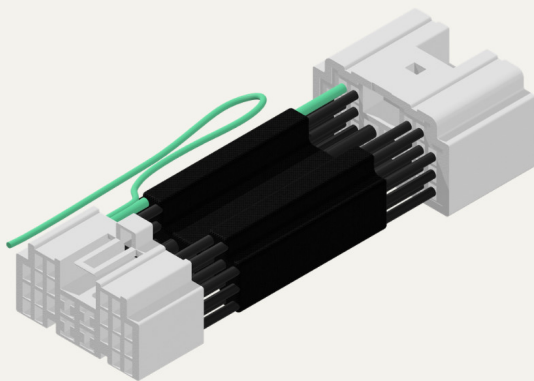


Width: 33mm
Height: 10mm

DIMENSIONS

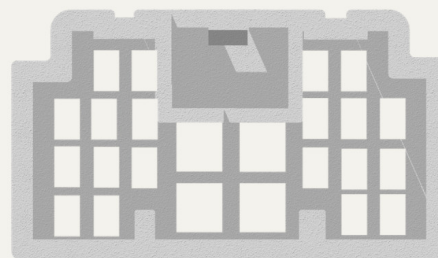
HARNESS: AC-TOY-24PIN-70SERIES

Adapter Harness

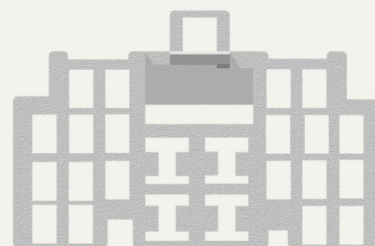


Cables Length: 120mm
Overall Length: 75mm

24 Pin Connector



Width: 42mm
Height: 26mm

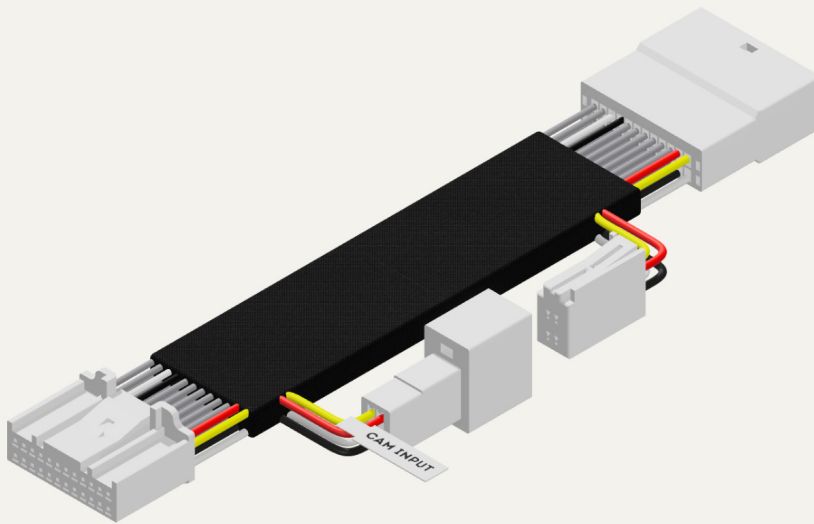


Width: 38mm
Height: 20mm

DIMENSIONS

HARNESS: AC-TOY-24PIN

Adapter Harness



Cables Length: 160mm
Overall Length: 220mm

4 Pin Connector



Width: 11mm
Height: 18mm



Width: 10mm
Height: 17mm

24 Pin Connector



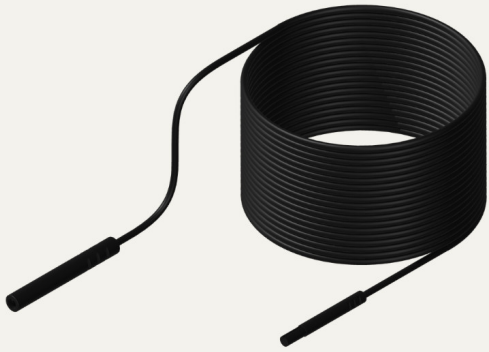
Width: 31mm
Height: 12mm



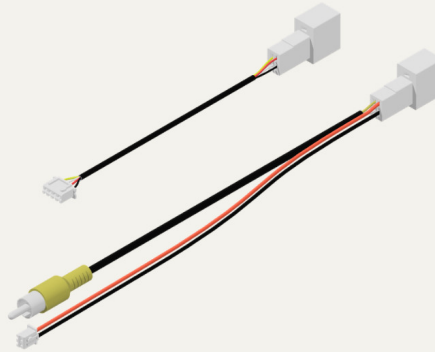
Width: 28mm
Height: 9mm

OPTIONAL ACCESSORIES

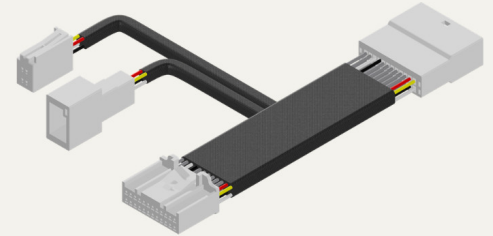
The Pro series camera has various accessories available to help with your installation.



8m Extension Cable



Power Connectors



Vehicle Specific Adapters



Rear + Tray Mounting
Brackets



Cable Ties + Split
Tubing + Sealing Tape



Front Camera Mounts

WHAT'S INCLUDED

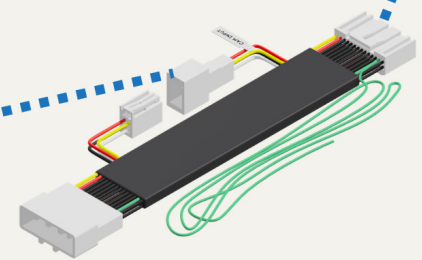
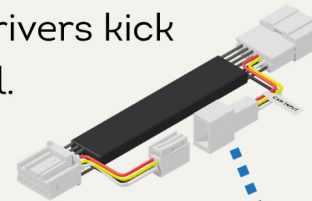


SKU: AC-TOY-RC7

QUICK START GUIDE

1. Mount the camera.
2. Route the camera cable.
3. Camera connects directly to the AC-TOY-24PIN interface harness.
4. **See Connection Guide.**
5. Configure image flip or guidelines if required.

AC-TOY-24PIN-70SERIES
connects in drivers kick
panel.



AC-TOY-28PIN connects behind the
stereo. See Connection Guide.



Pin

- Pin 1
- Pin 2
- Pin 3
- Pin 4
- Cable

Function

6V - Power
Ground / Earth
Video - / Shield
Video + Signal
Reverse 12v Input

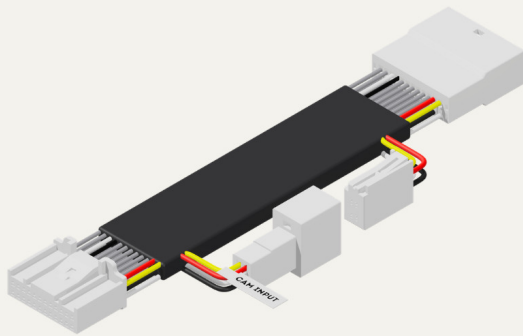
Wire

Red
Black
White
Yellow
Green

CAR SPECIFIC WIRING KIT

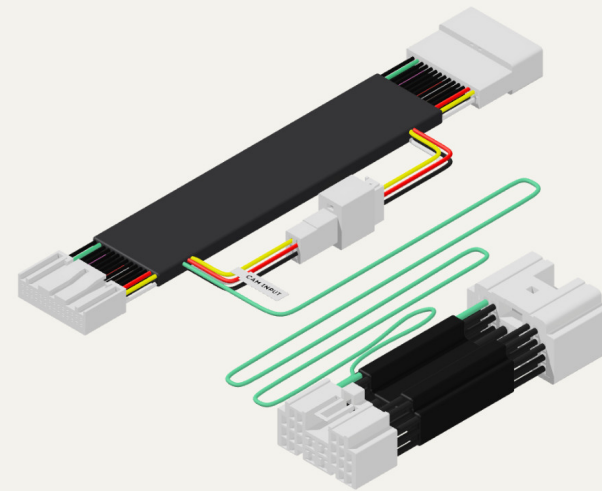
Built for the Toyota LandCruiser 70 Series – 2014 to early 2023 (pre-facelift). On these models the reverse wire isn't run to the stereo, so all three harnesses work together.

The 24-pin powers the camera, the 28-pin feeds the stereo, and the 24-pin-70Series brings the reverse signal up from the kick panel.



SKU: AC-TOY-24PIN

The camera plugs into this harness. It carries the camera's video signal and power, feeding into the system behind the stereo.



SKU: AC-TOY-28PIN

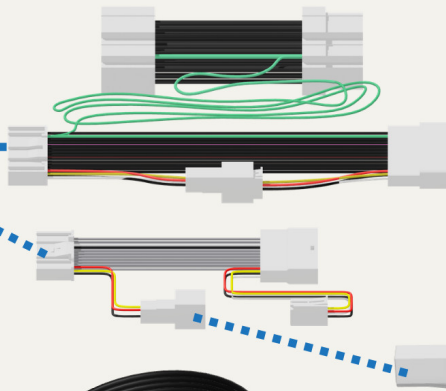
SKU: AC-TOY-24PIN-70SERIES

The 28-pin plugs in behind the stereo, and the 24-pin-70Series taps the driver's kick panel – bringing the reverse-light trigger up so the camera comes on automatically in reverse.

See the Connection Guide for each harness.

INSTALL GUIDE

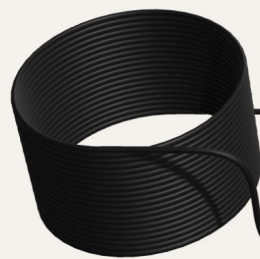
The AutoChimp™ HD Pro Camera connects directly to the AC-TOY-24PIN adapter harness. The AC-TOY-28PIN plugs in inline behind the stereo, and the AC-TOY-24PIN-70SERIES connects in the drivers kick panel to bring the reverse signal up.



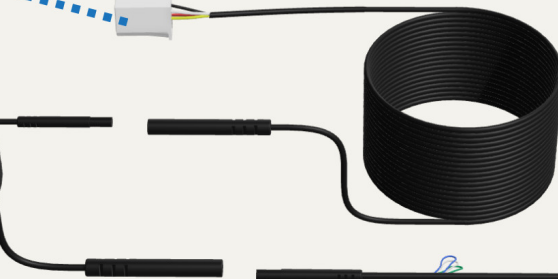
AC-TOY-24PIN-70SERIES ~ Install at drivers kick panel.

AC-TOY-28PIN ~ Install behind stereo.

AC-TOY-24PIN ~ Install behind stereo.



Extension Cable
8m
(sold separately)



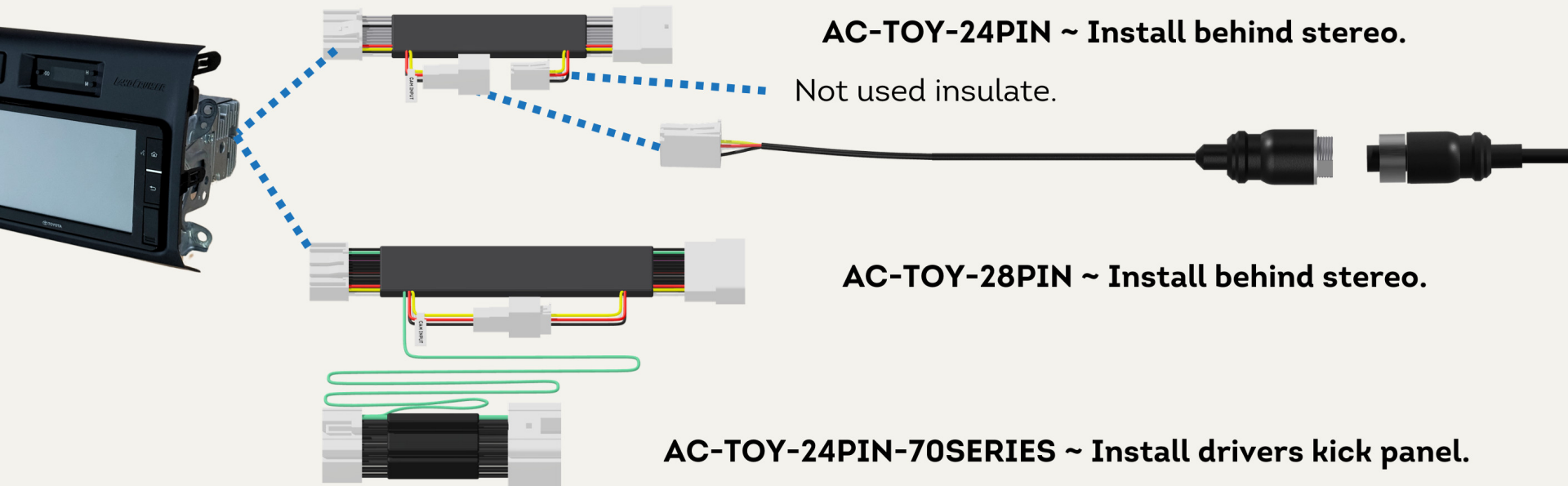
Power Cable
1m

Power / Video Cable
7m



HARNESS INSTALL LOCATIONS

Each harness plugs inline – the OEM connectors plug into the back of the harness and all other wires pass straight through, nothing cut. Two install behind the stereo and one at the driver's kick panel.
Installation locations are as below:



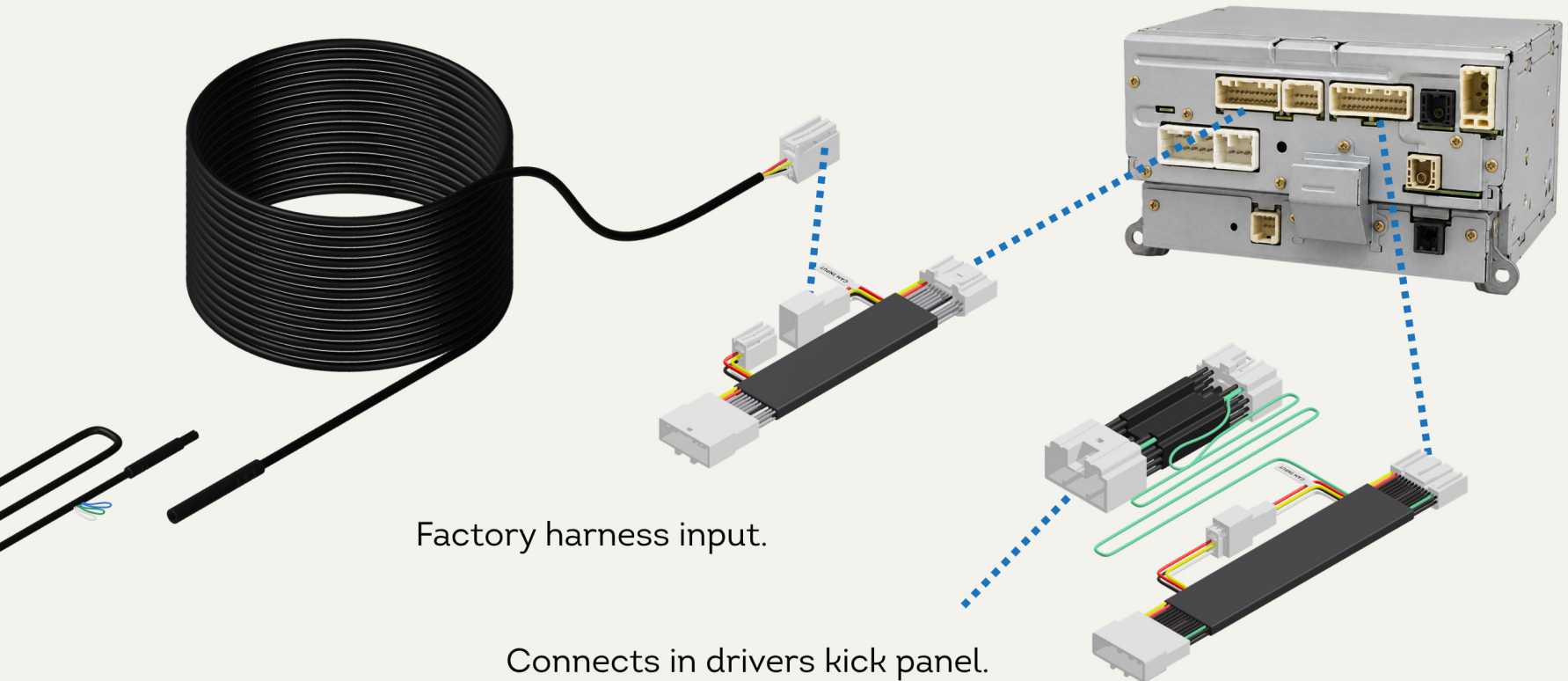
Note: There may be no harness that plugs into the car side of AC-TOY-24PIN, this is ok, certain models didn't have a car side. Still use the AC-TOY-24PIN into stereo as this is the video input.

CONNECTION GUIDE

LOCATION: REAR OF STEREO

HARNESSES: AC-TOY-28PIN + AC-TOY-24PIN

The AC-TOY-24PIN connects directly to the rear of the stereo. Plug the camera into the labelled CAM INPUT 4-pin connector on interface harness. The AC-TOY-28PIN with green wire plugs into the radio, which is fed from the kick panel harness AC-TOY-24PIN-70SERIES.



CONNECTION GUIDE

LOCATION: DRIVER'S KICK PANEL

HARNESS: AC-TOY-24PIN-70SERIES

The 70 Series has the factory reverse signal wiring already run behind the driver's kick panel. Remove the kick panel cover to expose the loom, unplug the factory connector shown, and fit the AC-TOY-24PIN-70SERIES inline between the two halves.



1. BEFORE REMOVING KICK PANEL



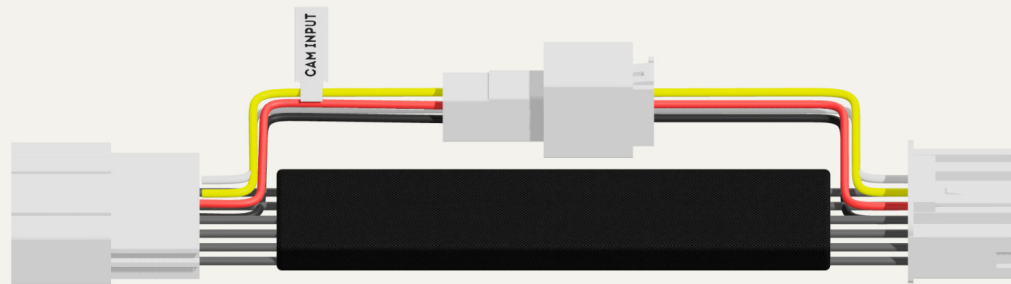
2. AFTER REMOVING KICK PANEL



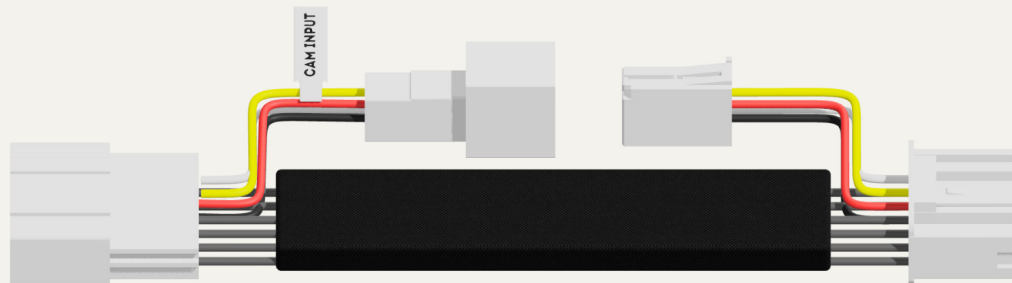
3. CLOSE UP OF CONNECTION AREA

FULL PASS-THROUGH

Both stereo interface harnesses are full pass-through. Every factory wire carries straight through the loom, so no OEM cable is cut, spliced or left disconnected. The only break-out is the 4-pin camera input – everything else stays exactly as Toyota wired it. Unplug the harness and the vehicle is back to standard.



Closed – 4-pin plugs joined together, factory pass-through fully restored.



Open – 4-pin plugs separated, camera connects to the labelled CAM INPUT.

MODULAR CAMERA MOUNTING SYSTEM

Multi-Directional Mounting

The camera can be used as a front, rear, side, tray, canopy or custom vehicle camera. It can be mounted directly in its metal housing or paired with AutoChimp™ mounting brackets.



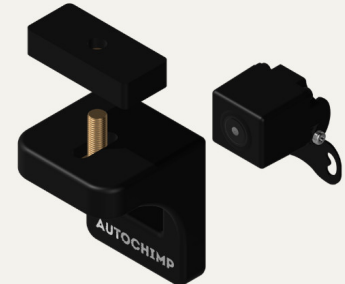
Alternative ABS-GF Mounting Brackets Available



Rear + Tray Mounts



Front Camera Mounts



Universal Rear Mounts



CAMERA SETUP

PRO SERIES CAMERAS



Three loop wires set the camera output. **Cut a loop to switch that option; rejoin it to switch back.** Test the picture before you seal the cable.



White — Mirror / Non-Mirror

Joined = mirror (rear), cut = non-mirror (front). Switches between rear-view and front-view orientation.



Blue — Vertical Flip

Joined = normal, cut = flipped. Corrects the image when the camera is mounted upside down.



Green — Parking Guidelines

Joined = on, cut = off. Turns the on-screen guidelines on or off.

Scan the QR on your info card

SMS +61 411 101 737

WIRING DIAGRAM

HARNESS: AC-TOY-28PIN

Wire Colour

Function

Top

Bottom



CAM Power - 6V Output



CAM V+ - Input



CAM V- - Input

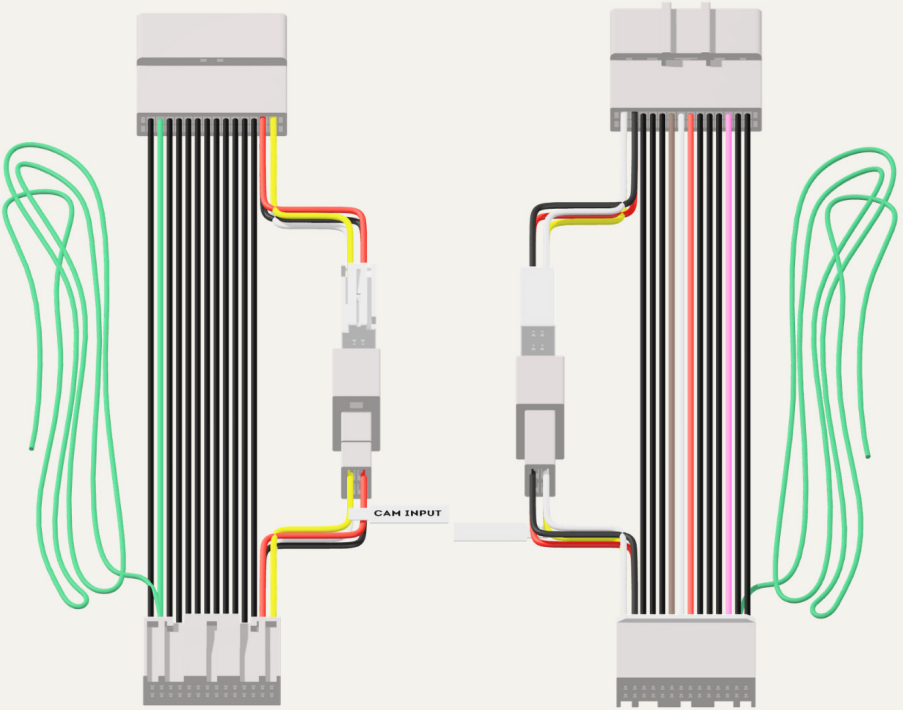
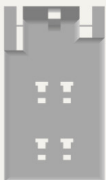


CAM Ground - 0V



Reverse Trigger 12v Input

Connectors



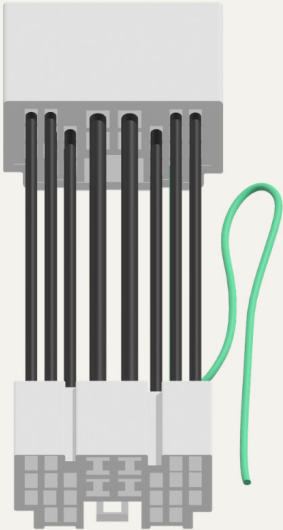
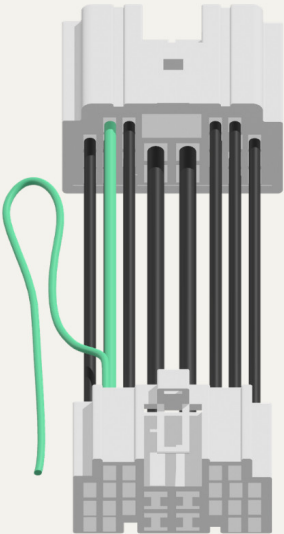
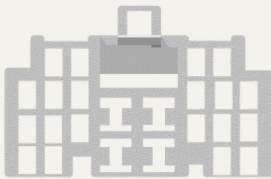
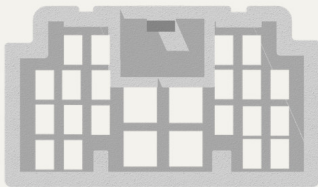
WIRING DIAGRAM

HARNESS: AC-TOY-24PIN-70SERIES

Wire Colour	Function	Top	Bottom
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	Reverse Trigger 12v Output		
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Connectors



WIRING DIAGRAM

HARNESS: AC-TOY-24PIN

Wire Colour

Function

Top

Bottom



CAM Power - 6V Output



CAM V+ - Input

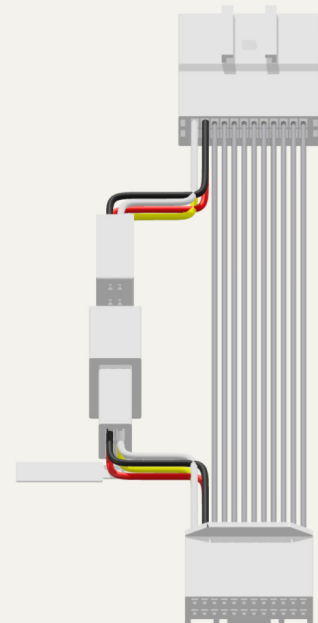
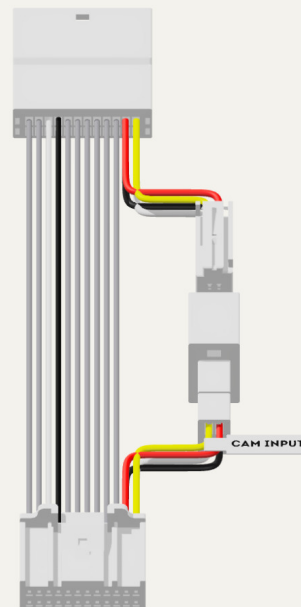
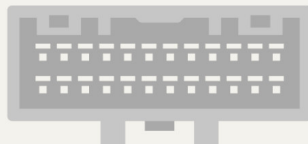
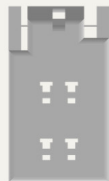


CAM V- - Input



CAM Ground - 0V

Connectors



PRO SERIES

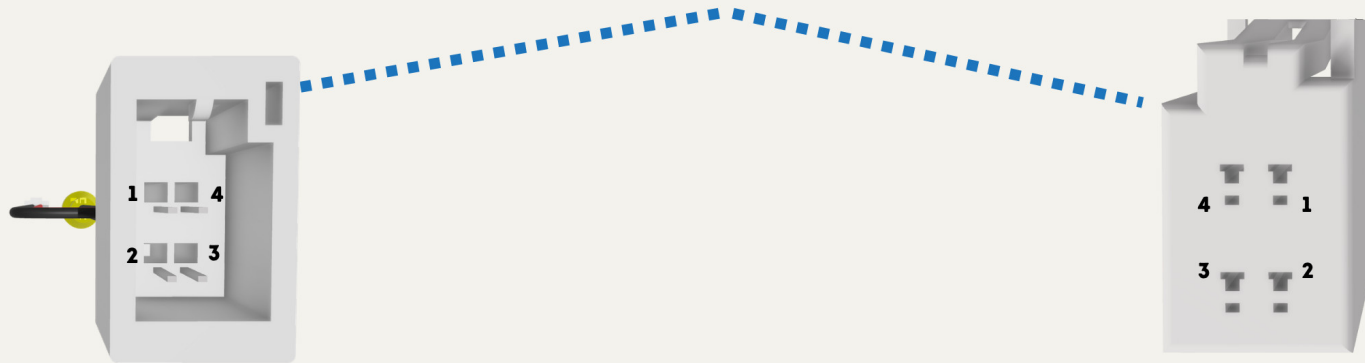
4 PIN CONNECTOR PIN OUT

Female Side (Towards Display)

Male Side (From Camera)

Important:

View connector face with orientation tab at top.



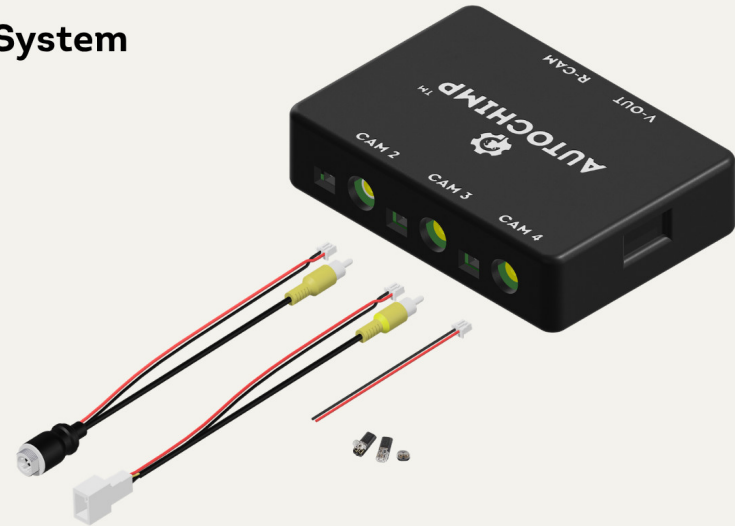
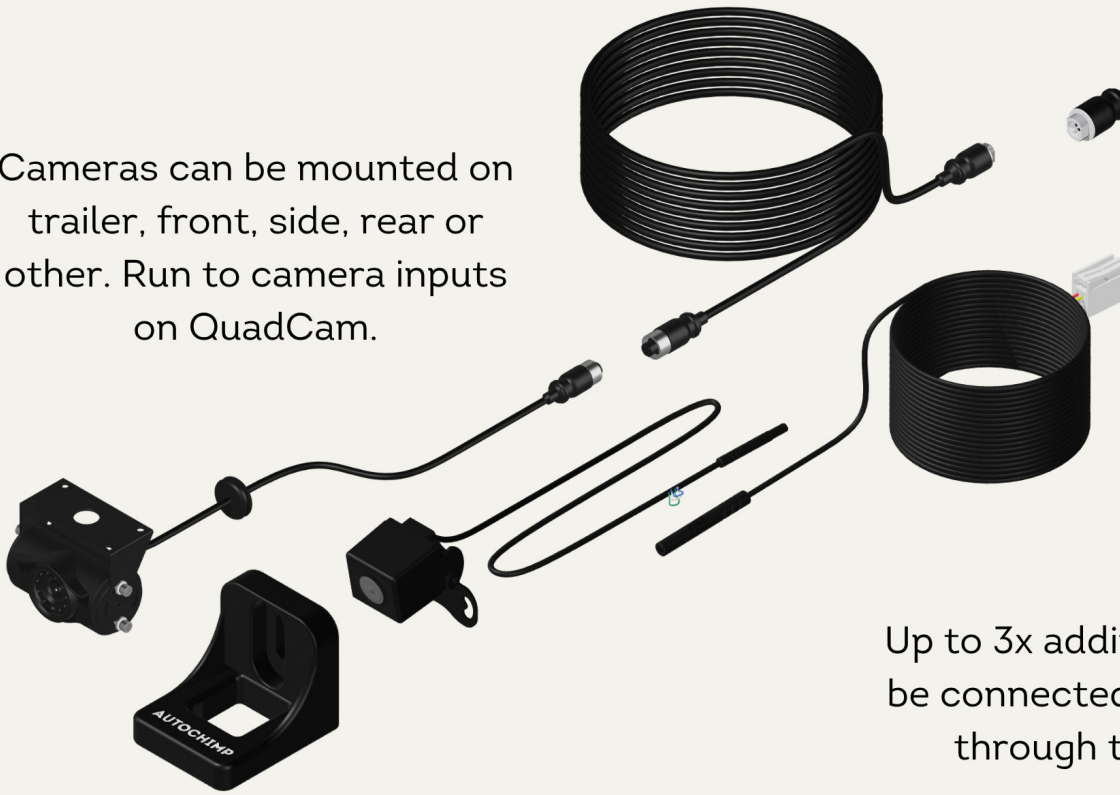
<u>Pin</u>	<u>Function</u>	<u>Wire</u>
• Pin 1	6V - Power	Red
• Pin 2	Ground / Earth	Black
• Pin 3	Video - / Shield	White
• Pin 4	Video + Signal	Yellow

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.

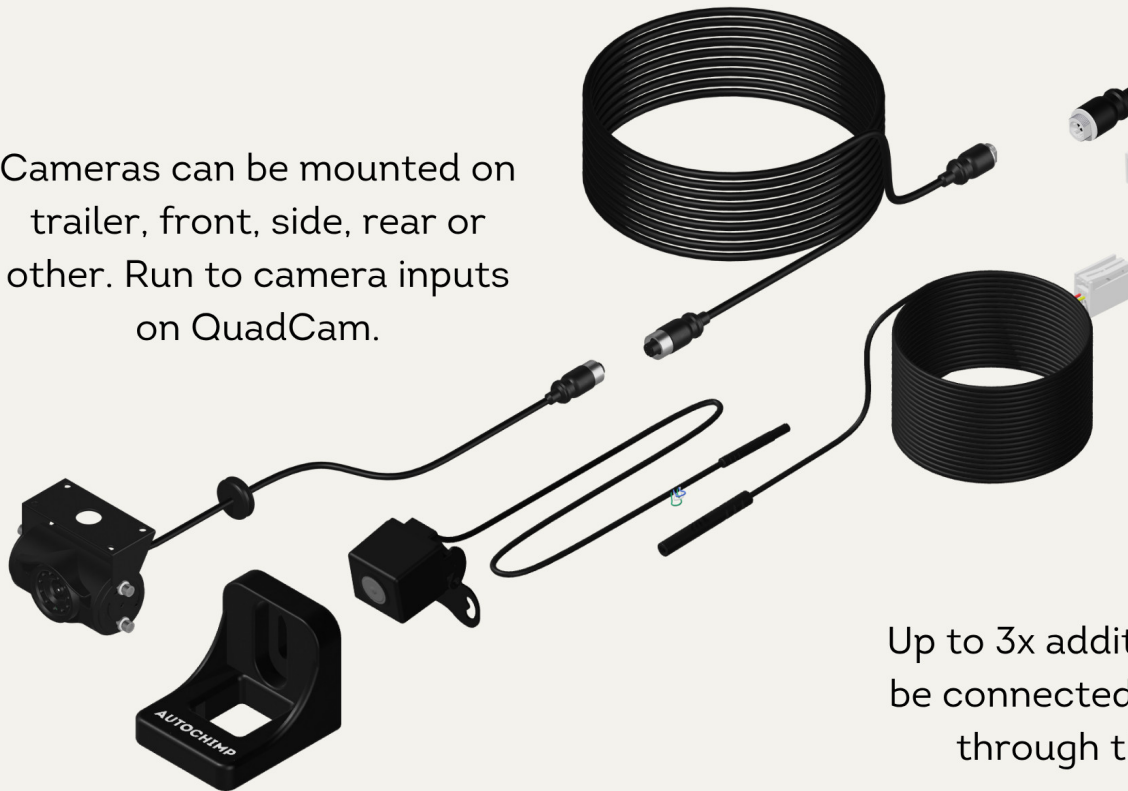
Up to 3x additional cameras can be connected to factory screen through the RCA inputs.

FITMENT GUIDE

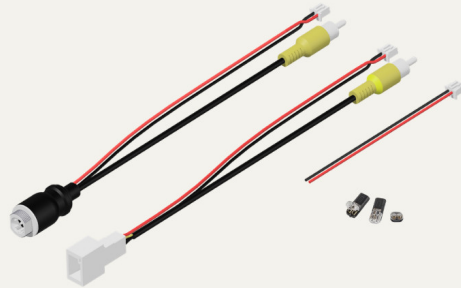
Aftermarket Screens

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

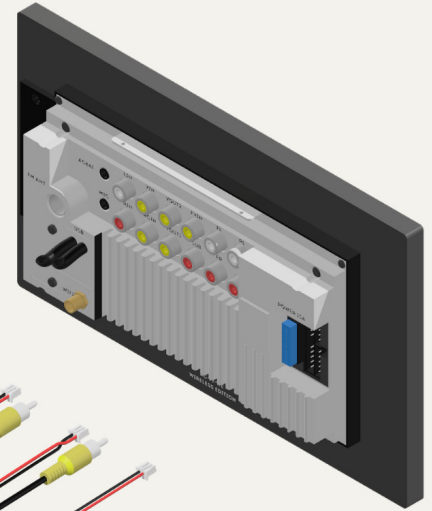
Cameras can be mounted on trailer, front, side, rear or other. Run to camera inputs on QuadCam.



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



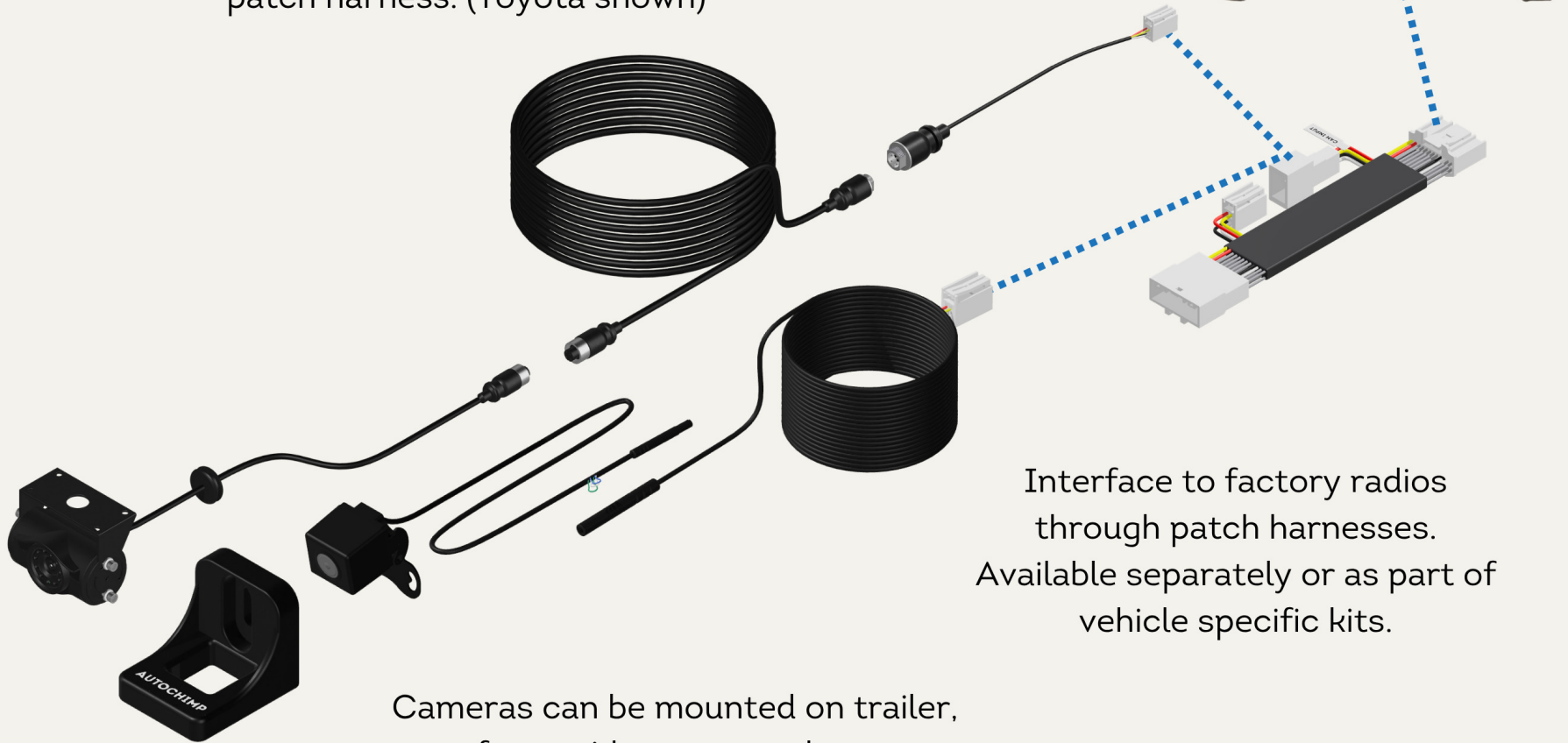
Up to 3x additional cameras can be connected to factory screen through the RCA inputs.



FITMENT GUIDE

OEM Screens & Stereos

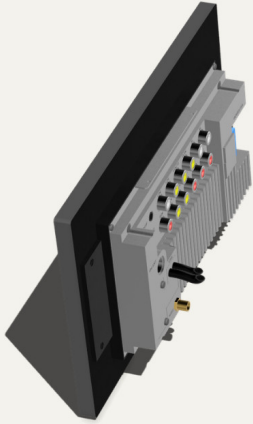
AutoChimp Pro Series & Heavy Duty cameras direct connect and power from the vehicle specific patch harness. (Toyota shown)



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.

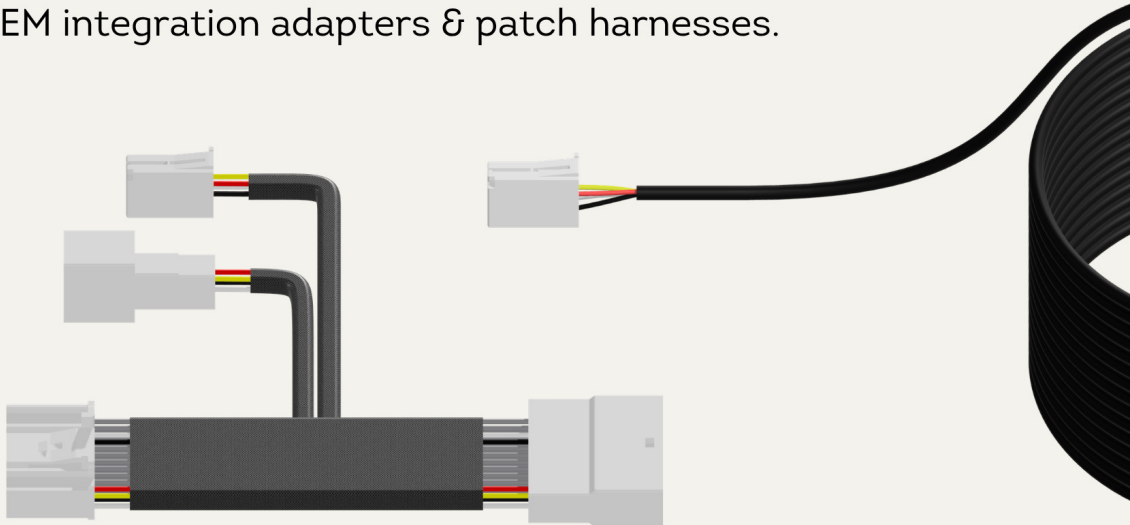
CAMERA INTERFACING



The AutoChimp™ Adapters can be used for direct connection to AutoChimp™ Dual + Quad Camera systems and are a universal connection to stereos & screens with composite video input.



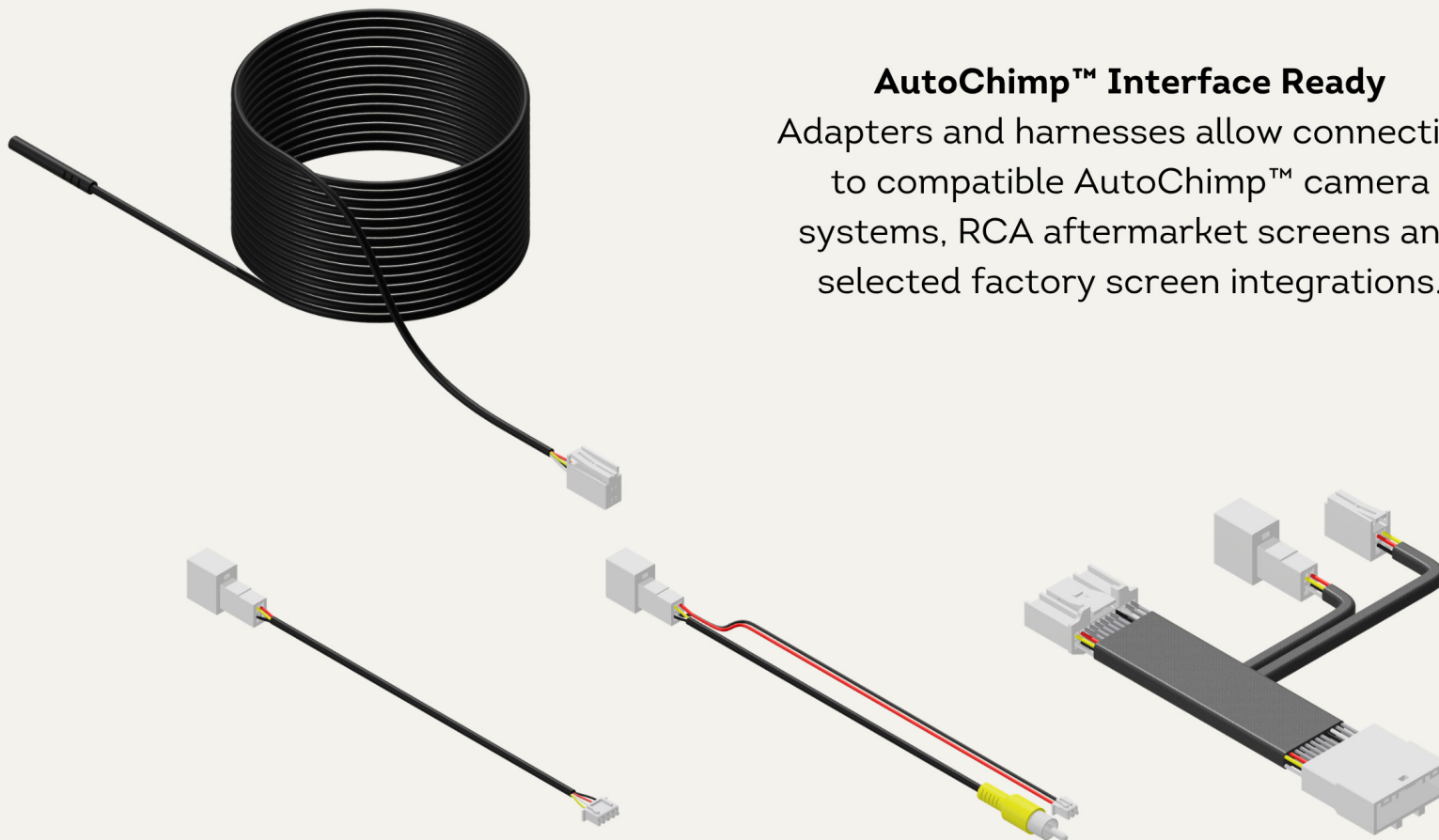
AutoChimp™ cameras can also be connected directly to factory Toyota screens or through our OEM integration adapters & patch harnesses.



CAMERA CONNECTION

AutoChimp™ Interface Ready

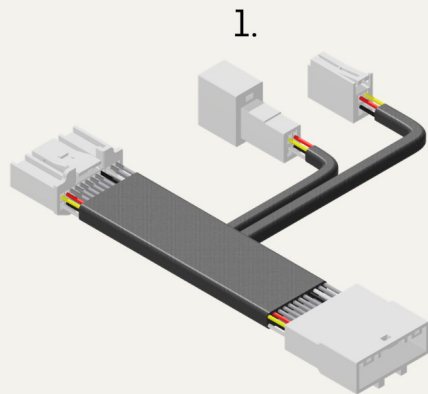
Adapters and harnesses allow connection to compatible AutoChimp™ camera systems, RCA aftermarket screens and selected factory screen integrations.



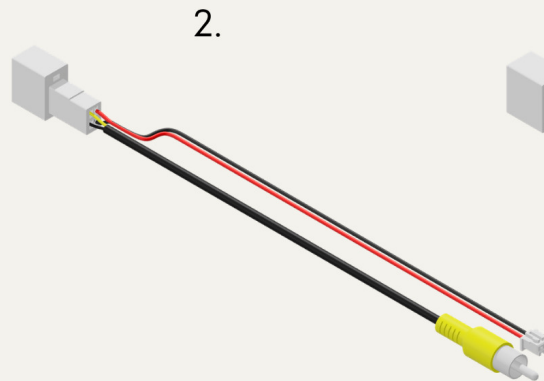
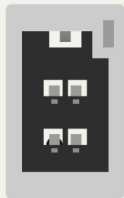
(Adapters sold separately or included in kits as specified)

OTHER CONNECTION TYPES

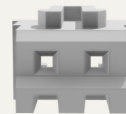
1. **AutoChimp™ OEM Adapters** - 4 Pin Direct Connection (Toyota Style)
2. **AutoChimp™ RCA Adapter** - RCA Video + 2-Pin JST Power
3. **AutoChimp™ PCB Adapter** - 4-Pin JST Video + Power



4 Pin Direct Connect



RCA Output + 2 Pin JST



4 Pin JST



(Adapters sold separately or included in kits as specified)

INSTRUCTIONS

REVERSE CAMERA KIT FOR TOYOTA LANDCRUISER 70 SERIES

SKU AC-TOY-RC7 · 2014–2023

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-toy-rc7

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