



KIT CONTENTS



SKU: AC-PRO-CAM-KIT-FRONT

TOYOTA

AUTOCHIMP



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AUTOCHIMP





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 FEATURES

Configurable Camera Display

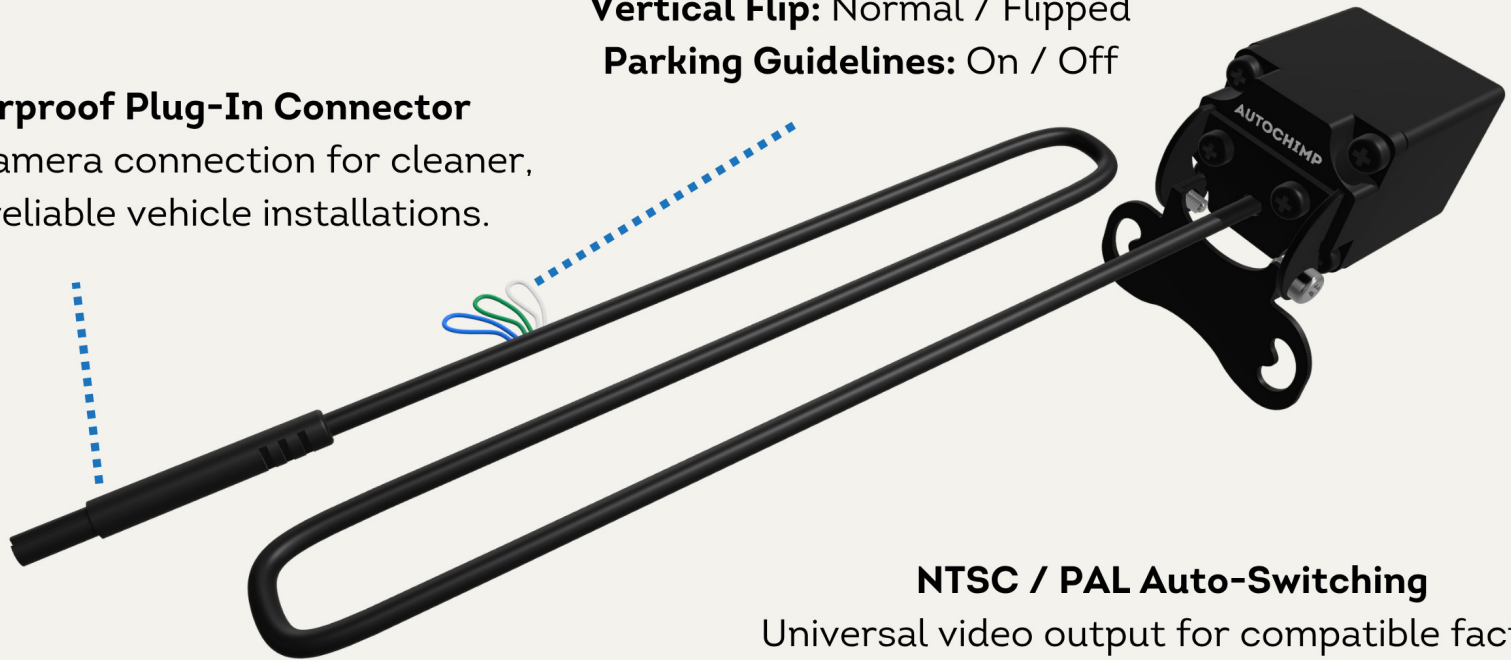
Horizontal Flip: Mirror / Non-Mirror

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.

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.



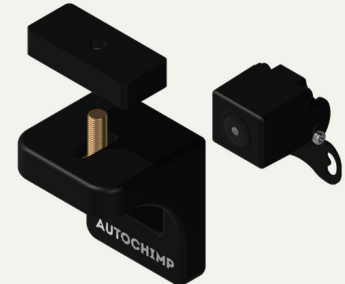
ABS-GF Mounting Brackets Available



Rear + Tray Mounts



Front Camera Mounts



Universal Rear Mounts

COMPATIBLE DISPLAYS

The Pro Series camera supports 6V–12V power and is NTSC / PAL Auto-Switching, making it suitable for a wide range of compatible display systems.

Designed to work with AutoChimp™ camera interfaces, RCA-compatible aftermarket stereos, selected factory screen integrations and dash/window monitor systems.



OEM Screens



Aftermarket Stereos

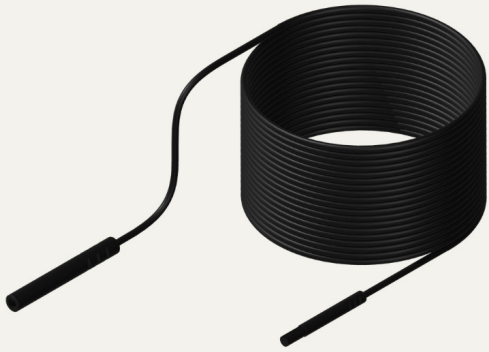


Dash & Window Mounts

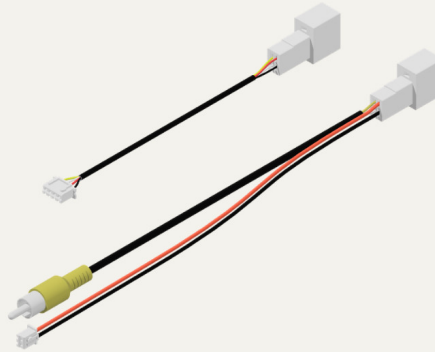
Important: video format must match the display input, output is CVBS

OPTIONAL ACCESSORIES

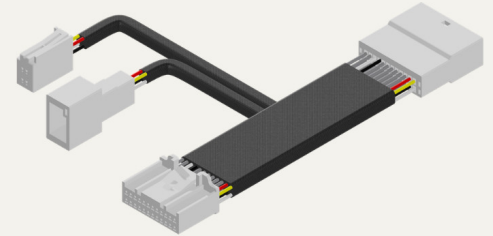
The Pro series camera has various accessories available to help with your installation.



8m Extension Cable



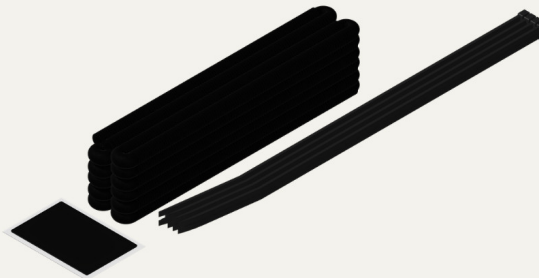
Power Connectors



Vehicle Specific Adapters



Rear + Tray Mounting
Brackets



Cable Ties + Split
Tubing + Sealing Tape

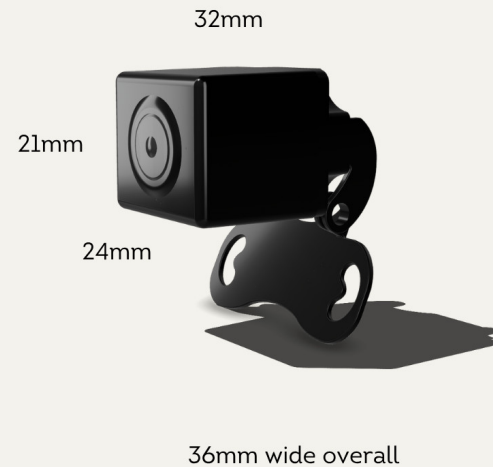


Front Camera Mounts

CAMERA DIMENSIONS



Mounting Bracket
Bracket Camera Assembly



Camera Body

Example mount
sold separately or included in kits*

DISPLAY IMAGE QUALITY



AutoChimp™ Pro Series cameras support HD CVBS output (NTSC / PAL).
Final on-screen image quality depends on the display's supported video
format and resolution.

Pro Series cameras provide a clear image in both daytime and low-light conditions.

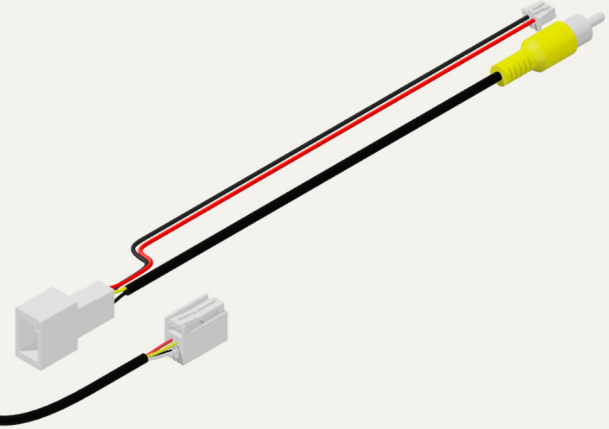
Example shown on 70 Series and N80 Hilux factory displays.

Note: many factory Toyota screens display standard-definition NTSC video.

[illegible]**SKU:** AC-PRO-CAM-KIT-FRONT

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 guidelines if required.



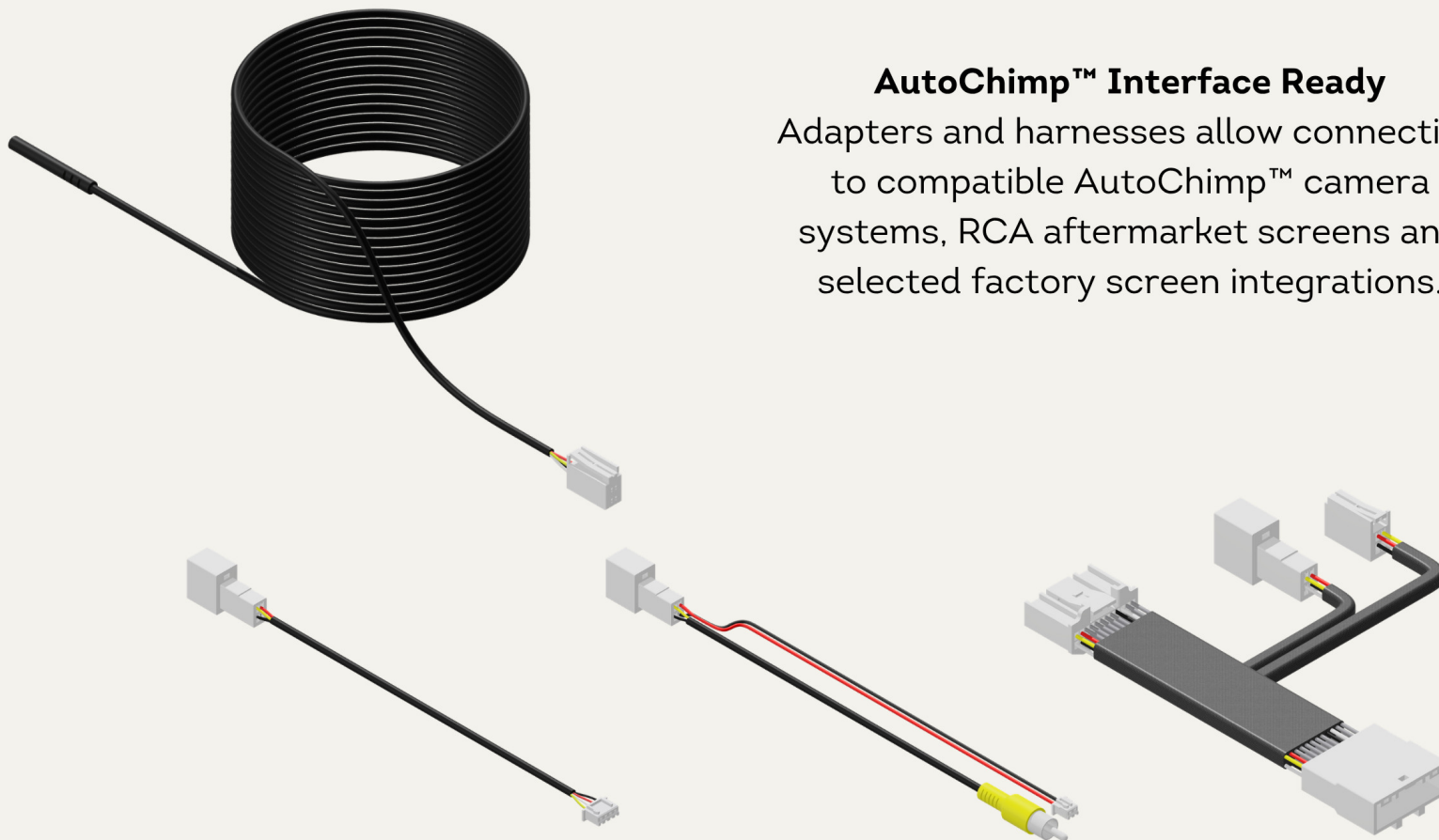
Power & Video Signal Adapters
output for Connection to
screen, interface or stereo.

<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

CAMERA CONNECTION

AutoChimp™ Interface Ready

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

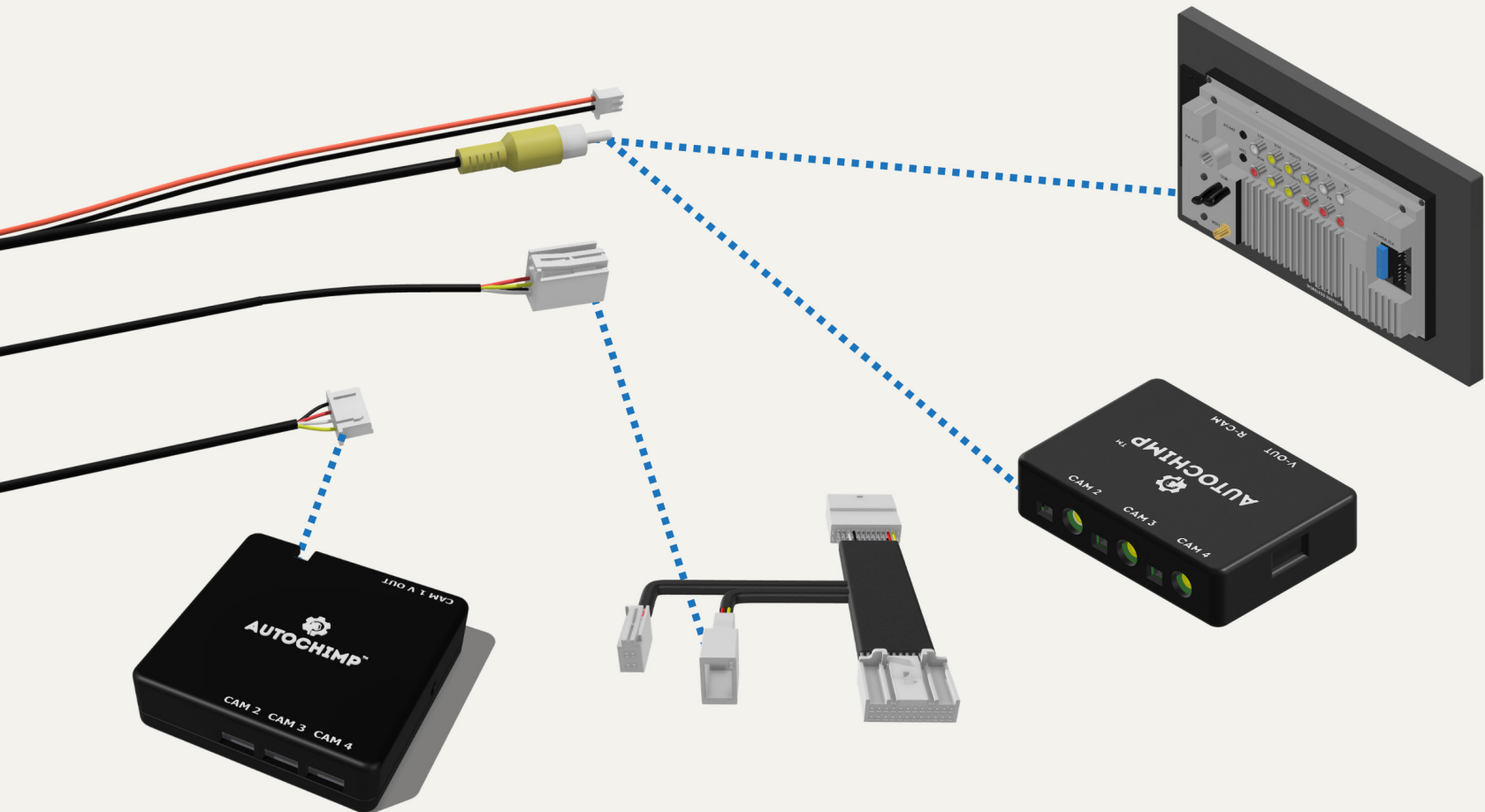


(Adapters sold separately or included in kits as specified)

APPLICATION GUIDE

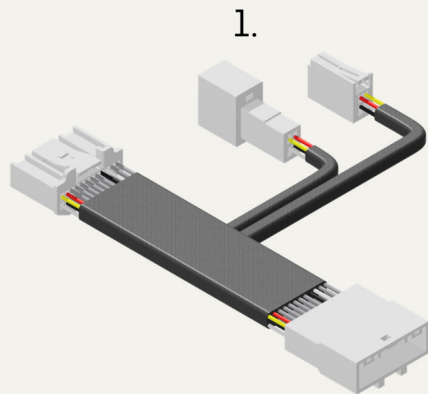
AutoChimp™ cameras can be connected directly to aftermarket screens or factory Toyota screens through our OEM integration patch harnesses.

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

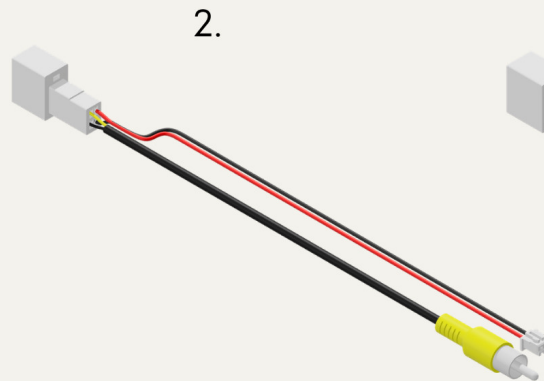
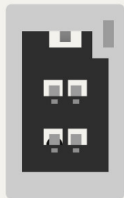


TYPES OF CONNECTION

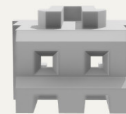
1. **AutoChimp™ OEM Adapters** - 4 Pin Direct Connection (Toyota Style)
2. **AutoChimp RCA Adapter** - RCA Video + 2-PIN JST Power
3. **AutoChimp™ PCB Adapter** - 4-Pin JST Video + Power



4 Pin Direct Connect



RCA Output + 2 Pin JST

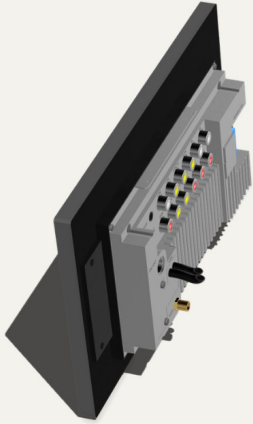


4 Pin JST



(Adapters Sold separately or included with Kits)

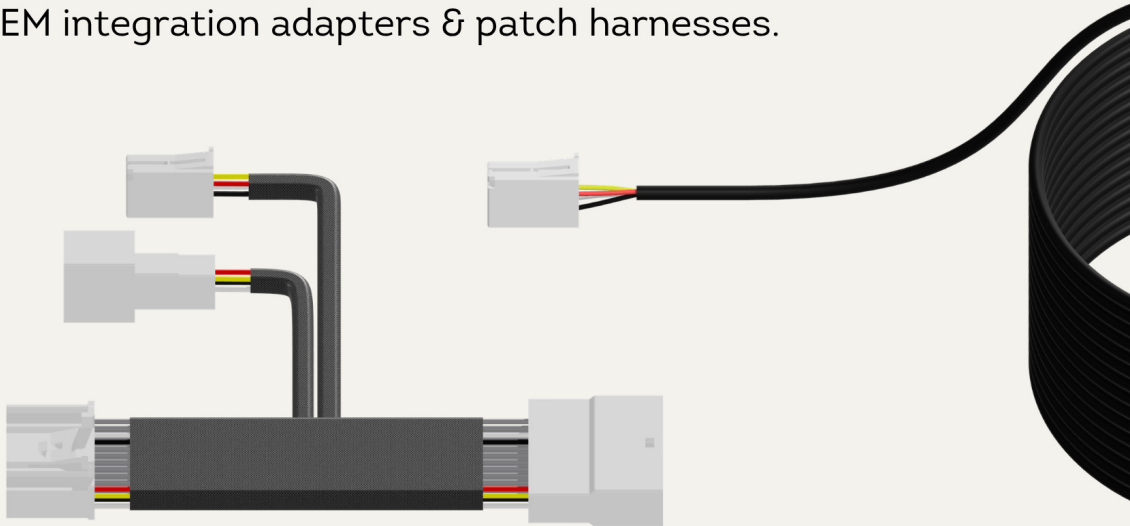
CAMERA INTERFACING



The AutoChimp RCA Adapter 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.



PRO SERIES

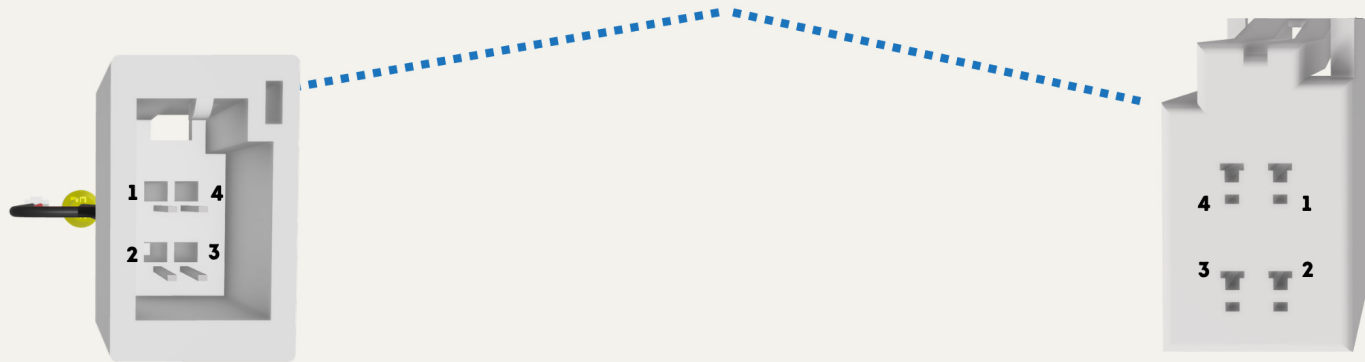
4 PIN CONNECTOR PIN OUT

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



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

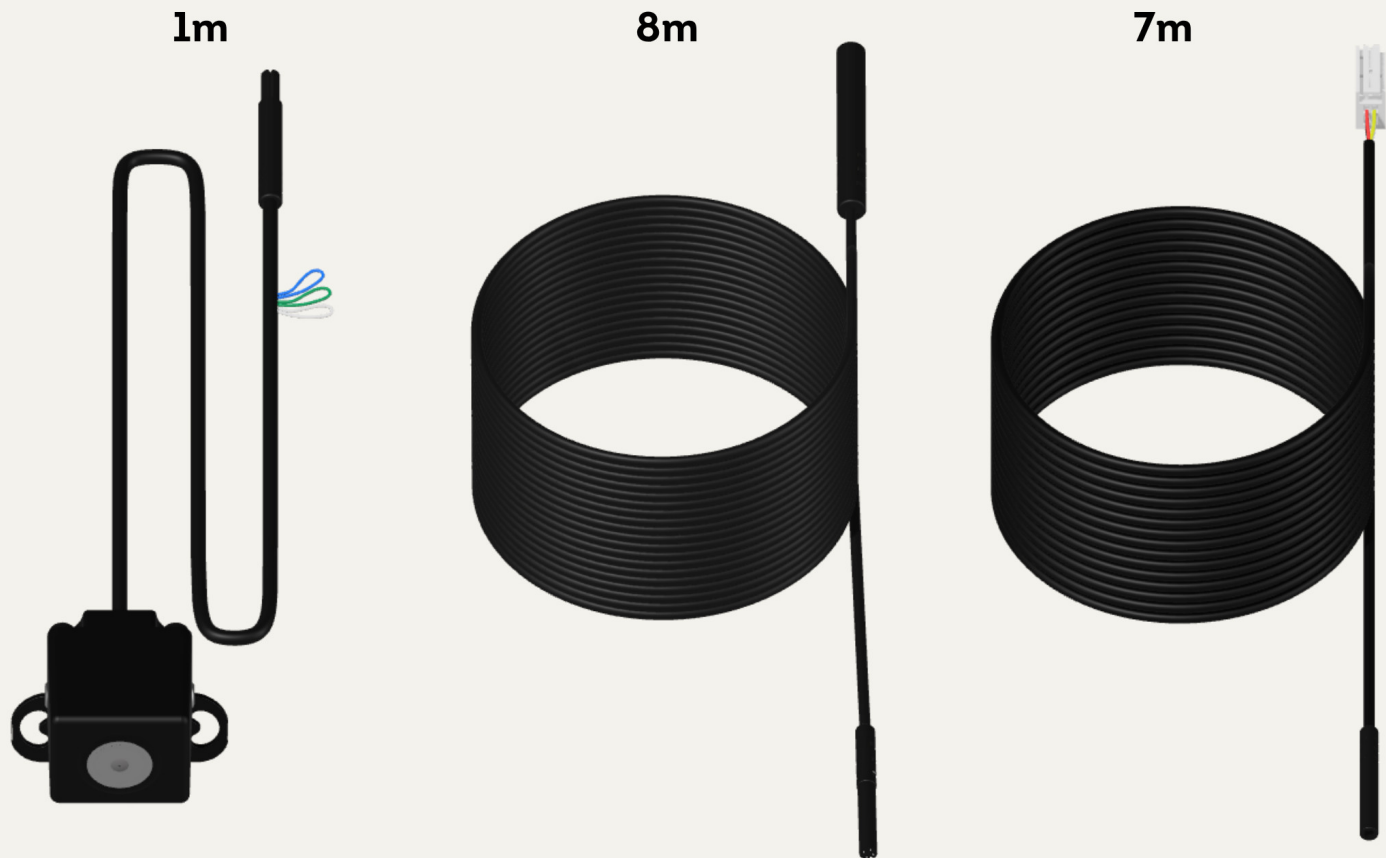
Joined = on, cut = off. Turns the on-screen guidelines on or off.

Scan the QR on your info card

SMS +61 411 101 737

EXTENSION CABLES AVAILABLE

The Pro Series camera supports up to two additional 8m extension cables in line, in addition to the standard 7m power + video cable included.



Extensions connect between the camera and power cable.

FRONT CAMERA MOUNTING



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

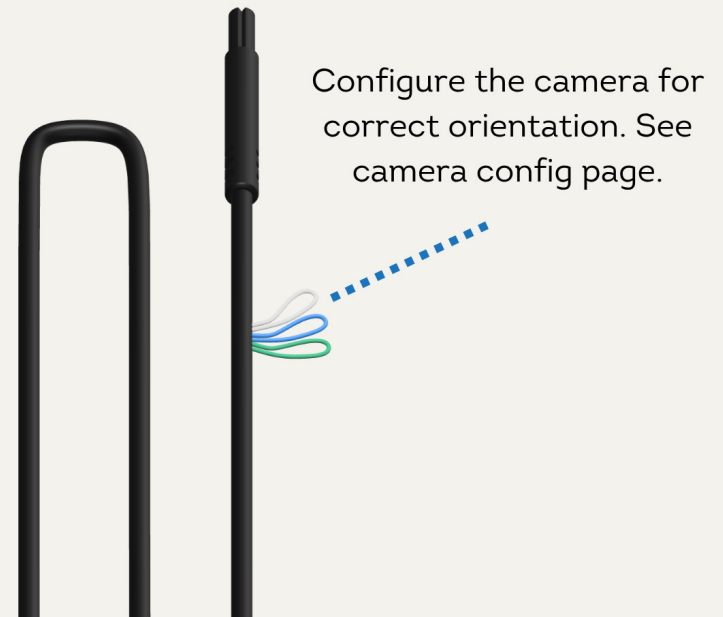


Camera bracket has 180 degree mounting & can be rotated.



Male plug side runs to screen or stereo.

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



Configure the camera for correct orientation. See camera config page.

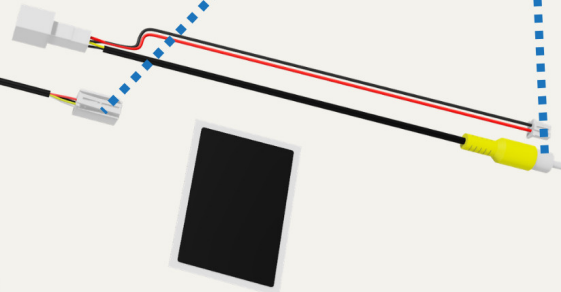
REAR CAMERA MOUNTING

Mount the camera at the rear of the vehicle using the supplied screws, mounting tape or bracket.



Route the camera cable from the rear camera location through to the cabin or display system.

Protect exposed wiring with split loom tubing and secure it with cable ties.



Connect the camera adapter to the display, stereo or AutoChimp™ interface module.

Use sealing tape or rubber grommets where cables pass through panels or floor sections.

TRAILER & CANOPY CAMERA SETUPS



Mount the camera on the trailer, canopy or vehicle at the desired location.

Run the extension cable to the hitch point or connection break point.

Check orientation of all cables before final running.

Connect the RCA video and power adapter to the display, stereo or AutoChimp™ interface.

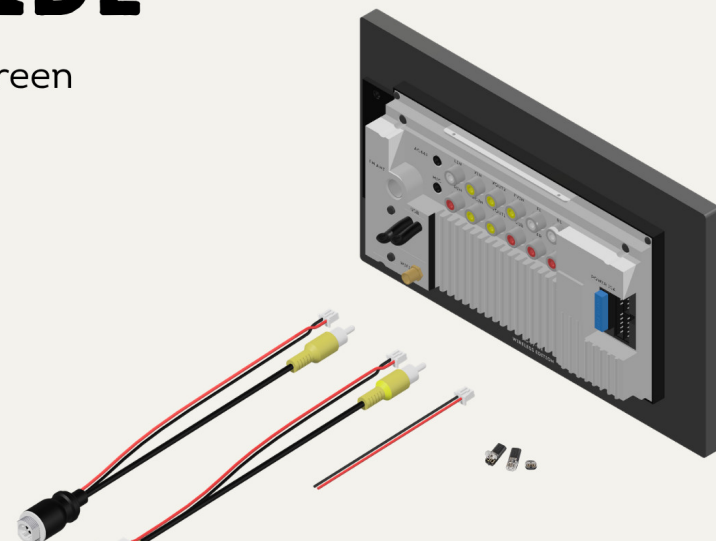
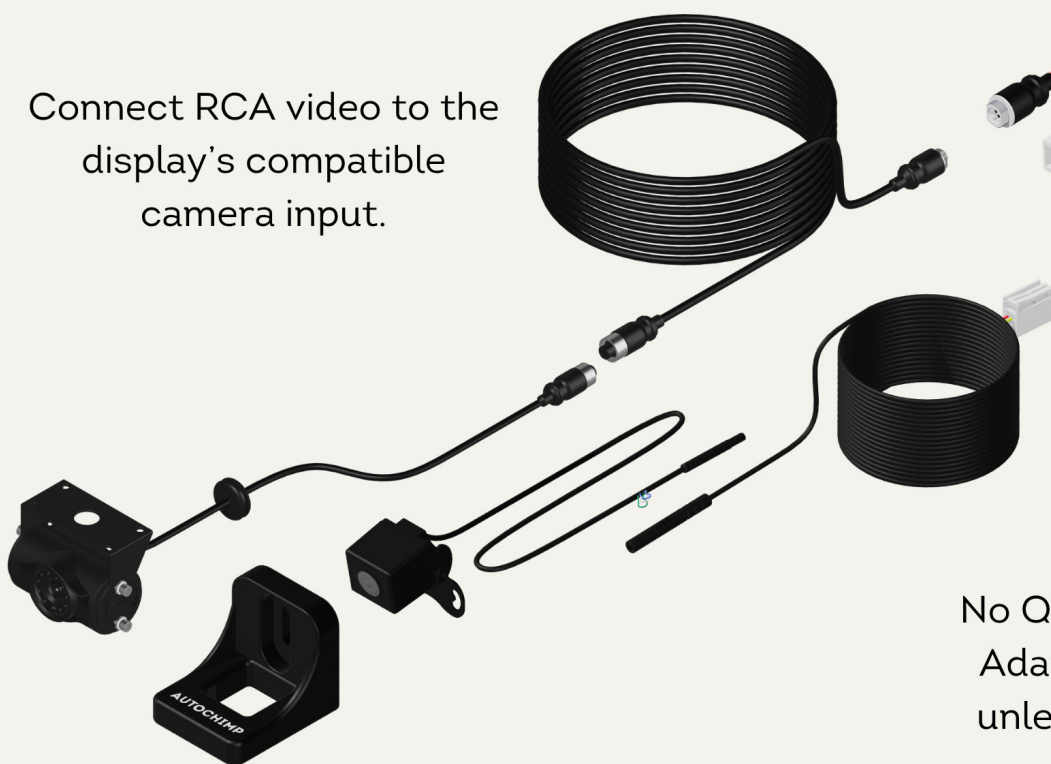
FITMENT GUIDE

Aftermarket or Factory Screen

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.



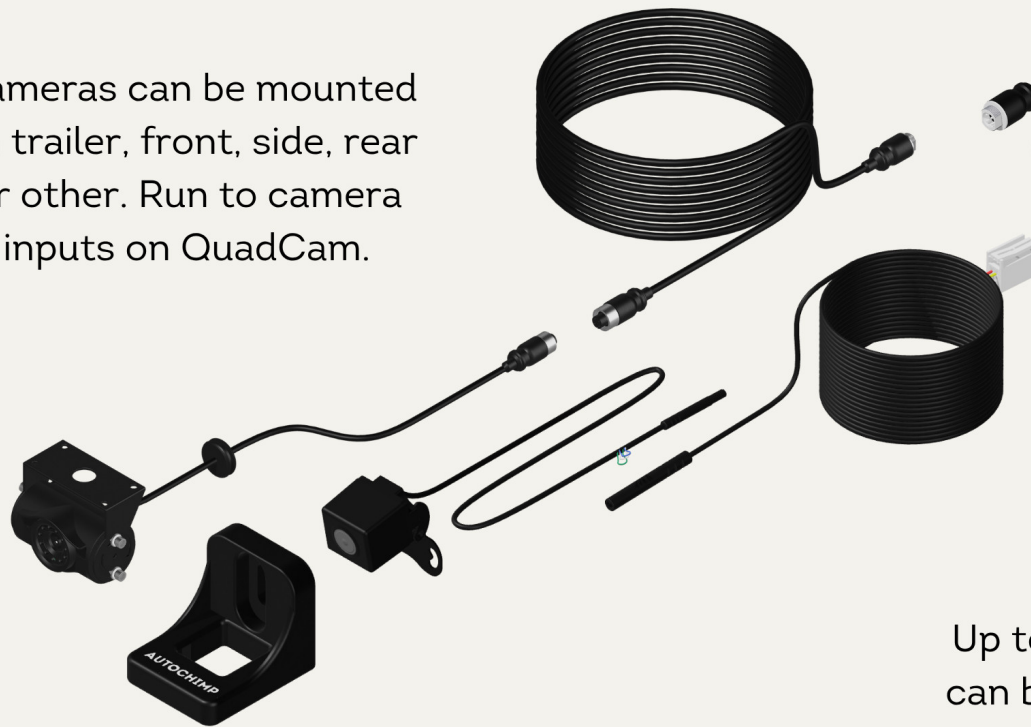
No QuadCam module is shown.
Adapters are sold separately
unless listed in this product's
contents.

FITMENT GUIDE

AutoChimp™ QuadCam 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.

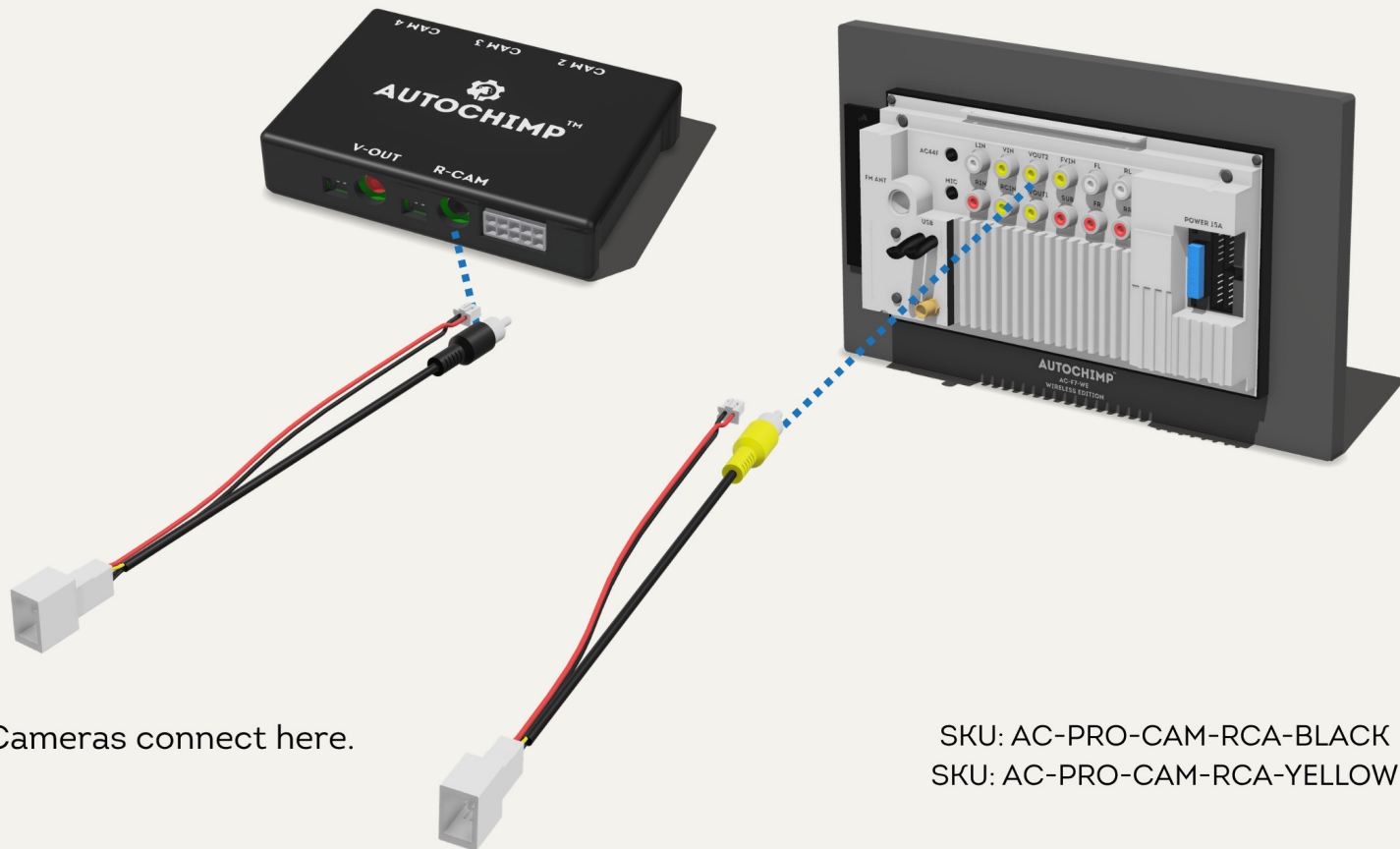


Universal 12v Power connections also available for using other brand cameras.

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

ADAPTER INFO GUIDE

The AC-PRO-CAM-RCA is available in both black and yellow. Its primary role is to connect cameras to either a screen/stereo or the QuadCam interface. The colours help designate between different cameras such as rear & front.



INSTRUCTIONS

PRO HD FRONT CAMERA KIT

SKU AC-PRO-CAM-KIT-FRONT

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-pro-cam-kit-front

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