

Safety // Innovation // Protection



ECHOMASTER

US PRODUCT CATALOG 2018



Protect Your Precious Cargo

Meet



Safe Driving Starts Here

In a world where road accidents are commonplace, consumers and commercial customers alike are looking to reduce risk, increase safety, and protect their investments. EchoMaster provides a full range of safety products to address those needs and constantly innovates to meet future requirements.

Protect Your Precious Cargo

Whether you are reversing the family car or guiding a fleet of vehicles, EchoMaster is always right beside you, offering a high-quality range of trusted safety solutions for any situation.

Innovation

EchoMaster is driven to discover new technologies that enhance safety.

Development

Guided by the desire to constantly improve, EchoMaster's employees share ideas and work together to enhance the customer experience.

Experience

EchoMaster is the result of years of safety know-how; it is greater than the sum of its parts.

Integration

EchoMaster's reason for being is empowerment – of its customers to have confidence in a safe drive, of its employees, and of the safety industry as a whole.



The Story

In 2016, AAMP Global took three of the world's leading brands in safety, and combined them to deliver the most comprehensive, quality line of safety products available in the market.



Warranty Information, So What's the Difference?



Warranty Information

EchoMaster Pro branded automotive product(s) purchased from an AAMP Global Authorized Dealer and/or new car dealership, and installed in the original vehicle, are free from defects in materials or workmanship under normal use and conditions for a minimum period of 3 Years or 36,000 miles from date of retail purchase, whichever comes first.



Warranty Information

EchoMaster branded automotive product(s) purchased from an AAMP Global Authorized Dealer and/or new car dealership, and installed in the original vehicle, are free from defects in materials or workmanship under normal use and conditions for a minimum period of 1 Year from date of retail purchase, whichever comes first.

ICONS, So What Does THAT Mean?



IP Ratings

Classifies the degrees of protection against both solids and liquids in electrical enclosures



Parking Lines

On-screen line markers



Dynamic Parking Lines

On-screen line markers that show the trajectory of your path



Video Inputs

Number of camera inputs



Display Size

Dimension of monitor screen



Viewing Angles

Display of multiple critical viewing options



840,000

Car accidents in the US each year are caused by visibility problems in a driver's blind spots.

National Highway Traffic Safety Administration

Any vehicle, any driving situation. Gain a clear view of your surroundings with EchoMaster's full range of universal cameras. Designed, engineered, and tested to withstand all road and weather conditions, delivering crisp, clear images, always. Choose from cameras that cover rear and front views, and also versatile cameras that can be used for side view. Reduce blind spots that mirrors cannot cover, and reduce your risk.

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CAMERAS

Get a clear view of your
surroundings

CHOOSE THE

Page #	Mounting Option						Part Number	Format	Camera Dims D x W x H (mm)
	Front	Reverse	Side	Post	Roof/CHMSL	Dome			
16	X	X					CAM-01-N	Yes -N	18mm x 14mm x 28mm
16	X	X					CAM-02-N	Yes -N	31mm x 47mm x 25mm
12	X	X					CAM-DPL-N	Yes -N	24.8mm x 23.5mm x 23.5mm
21	X	X					CAM-LB1B-N	Yes -N	24mm x 180mm x 28mm
21	X	X					CAM-LB1C-N	Yes -N	24mm x 180mm x 28mm
21	X	X					CAM-LB3C-N	Yes -N	24mm x 250mm x 21mm
20	X	X					CAM-LF1B-N	Yes -N	28mm x 312mm x 162mm
19	X	X					CAM-LF1C-N	Yes -N	28mm x 312mm x 162mm
19	X	X					CAM-LF2B-N	Yes -N	24mm x 310mm x 161mm
19	X	X					CAM-LF2C-N	Yes -N	24mm x 310mm x 161mm
19		X					CAM-LF3B-N	Yes -N	23mm x 312mm x 162mm
18		X					CAM-LF3C-N	Yes -N	23mm x 312mm x 162mm
21	X	X					CAM-LP1-N	Yes -N	41mm x 196mm x 35mm
11	X	X					CAM-MV6-N	Yes -N	24.8mm x 23.5mm x 23.5mm
20	X	X					PCAM-10I-N	Yes -N	35mm x 196mm x 35mm
20	X	X					PCAM-10L-N	Yes -N	35mm x 196mm x 35mm
15		X		X			PCAM-110-N	Yes -N	30mm x 30mm x 74mm
16	X	X					PCAM-150-N	Yes -N	27mm x 50mm x 24mm
17	X	X			X		PCAM-15C-N	Yes -N	50mm x 200mm x 58mm
13	X	X		X			PCAM-201-N	Yes -N	27mm x 26mm x 27mm
14	X	X	X				PCAM-220-N	Yes -N	22mm x 18mm x 18mm
14	X	X	X				PCAM-360-N	Yes -N	21mm x 25mm x 25mm
10	X	X	X				PCAM-BS1-N	Yes -N	26mm x 50mm x 23mm
49					X		PCAM-CHMSL-SIL	Yes -N	56mm x 404mm x 138mm
49					X		PCAM-CHMSL-SIL14	Yes -N	56mm x 404mm x 138mm
49					X		PCAM-CHMSL-SIL16	Yes -N	56mm x 404mm x 138mm
71	X	X			X		PCAM-IRC-N	Yes -N	68mm x 80mm x 61mm
71	X	X			X		PCAM-IRF-N	Yes -N	68mm x 80mm x 61mm
18		X					PCAM-LB2B-N	Yes -N	25mm x 192mm x 28mm
40					X		PCAM-SBL-N	Yes -N	90mm x 330mm x 51mm
40		X					PCAM-TTC-N	Yes -N	70mm x 248mm x 87mm
41		X					PCAM-TTN-N	Yes -N	97mm x 271mm x 133mm

Select the perfect sized GX style extension lead that fits your vehicle's size:

GXE-6	6m / 20ft
GXE-10	10m / 33ft
GXE-15	15m / 49ft
GXE-20	20m / 66ft

RIGHT CAMERA

Camera Dims D x W x H (in)	Harness Lengths			Connector	Warranty
	Pigtail	Video Extension	Power		
0.7" x 0.6" x 1.1"	1.45m/4.75ft	6m/19.5ft	1.45m/4.75ft	4 pin micro DIN	1 year
1.24" x 1.85" x 0.98"	1.45m/4.75ft	6m/19.5ft	1.45m/4.75ft	4 pin micro DIN	1 year
0.98" x 0.93" x 0.93"	56cm/22in	600cm/234in (6m)	94cm/37in	Power/RCA	1 year
0.92" x 7" x 1.1"	76cm/22in	731cm/288in	20cm/8in	8 pin micro DIN	1 year
0.92" x 7" x 1.1"	76cm/22in	731cm/288in	20cm/8in	8 pin micro DIN	1 year
0.92" x 9.84" x 0.82"	1.45m/4.75ft	6m/19.5ft	1.45m/4.75ft	4 pin Micro DIN	1 year
1.10" x 12.3" x 6.38"	74cm/29in	7m/25ft	20cm/8in	8 pin Micro DIN	1 year
1.10" x 12.3" x 6.38"	74cm/29in	7m/25ft	20cm/8in	8 pin Micro DIN	1 year
0.92" x 12.2" x 6.34"	45cm/18in	7m/25ft	28cm/11	4 pin Micro DIN	1 year
0.92" x 12.2" x 6.34"	45cm/18in	7m/25ft	28cm/11	4 pin Micro DIN	1 year
0.91" x 12.3" x 6.39"	61cm/24in	7m/25ft	35cm/14	4 pin Micro DIN	1 year
0.91" x 12.3" x 6.39"	61cm/24in	7m/25ft	35cm/14	4 pin Micro DIN	1 year
1.61" x 7.72" x 1.38"	1.45m/4.75ft	6m/19.5ft	1.45m/4.75ft	4 pin micro DIN	1 year
0.98" x 0.93" x 0.93"	1.8m/5.9ft	5.5m/18ft	1.5m/4.9ft	4 pin micro DIN	1 year
1.4" x 7.7" x 1.4"	1.7m/68in	5.5m/18ft	0.5m/22in	4 pin micro DIN	3 years
1.4" x 7.7" x 1.4"	1.7m/68in	5.5m/18ft	0.5m/22in	4 pin micro DIN	3 years
1.2" x 1.2" x 2.9"	1.7m/68in	5.5m/18ft	0.5m/22in	4 pin micro DIN	3 years
1.1" x 2" x 0.9"	1.7m/68in	5.5m/18ft	0.5m/22in	4 pin micro DIN	3 years
2" x 7.9" x 2.3"	56cm/22in	10m/32ft; 48cm/19in	2.4m/8ft	GX16	3 years
1.1" x 1" x 1.1"	1.7m/68in	5.5m/18ft	0.5m/22in	4 pin micro DIN	3 years
0.9" x 0.7" x 0.7"	1.7m/68in	5.5m/18ft	0.5m/22in	4 pin micro DIN	3 years
0.8" x 1" x 1"	1.7m/68in	5.5m/18ft	0.5m/22in	4 pin micro DIN	3 years
1" x 2" x 0.9"	1.7m/68in	5.5m/18ft	0.5m/22in	4 pin micro DIN	3 years
2.2" x 15.9" x 5.4"	1.2m/48in	6m/19.5ft	1.45m/4.75ft	4 pin Molex	3 years
2.2" x 15.9" x 5.4"	1.2m/48in	6m/19.5ft	1.45m/4.75ft	4 pin Molex	3 years
2.2" x 15.9" x 5.4"	1.2m/48in	6m/19.5ft	1.45m/4.75ft	4 pin Molex	3 years
2.7" x 3.1" x 2.4"	-	(not included)	-	GX16	3 years
2.7" x 3.1" x 2.4"	0.5m/22in	(not included)	12cm/5in	GX16	3 years
1" x 7.6" x 1.1"	0.5m/22in	6.5m/21ft	1.5m/4.9ft	RCA	3 years
3.5" x 13" x 2"	0.5m/22in	10m/32ft		GX16	3 years
2.8" x 9.8" x 3.4"	0.9m/36in	7m/25ft	76cm/30in	6 pin Molex	3 years
3.8" x 10.7" x 5.2"	1.7m/68in	5.5m/18ft	0.5m/22in	4 pin micro DIN	3 years



VS41 (by PAC)

Intelligent 4-Camera Switcher

- 4-camera input (front, rear and side cameras)
- Connects directly to analog turn-signal circuit with flash eliminating signal buffer for uninterrupted side camera activation
- Works with OE or aftermarket radio (OE requires interface)
- Priority override for back-up camera signal
- Provides reverse camera output trigger for aftermarket radios



PCAM-BS1-N

Self-Adhesive Blind Spot Camera for Front, Rear or Side View with Flexible Housing



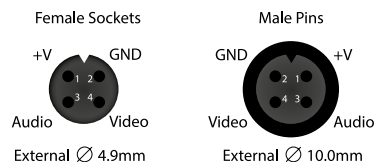
This CMOS camera and its compact design make it easy to discreetly install on almost any vehicle, providing the driver with a much enhanced view of their surroundings for safer, easier driving. With an IP67 water/debris-proof rating, it is built to last, withstanding dust, water immersion and other environmental hazards.

When used as a backup camera, placing your car in reverse will automatically trigger the camera view on. It can also be installed as a front camera, triggered on when your car is put in drive, under a certain mph when paired with a PAC module.

Reduce the risk of collisions and other accidents, especially when changing lanes. The PCAM-BS1 is designed for versatility, and its self-adhesive design, with flexible base, can be mounted on multiple areas of a vehicle. **When mounted beneath side mirrors, the PCAM-BS1 improves driver visibility during lane changes.** Pairing the PCAM-BS1 with a PAC BCI video interface, or with EchoMaster's PMM-7333-PL rearview mirror with monitor, triggers the camera to turn on when a turn signal is being used, and converts the video signal to a constant.



side mountable



Key Features:

- 1/4" CMOS sensor
- Operates at 0.1 LUX
- 80° viewing angle
- IP67 water/debris-proof rating
- Adjustable/swivel camera orientation
- Housing dims: 26mm x 50mm x 23mm / 1" x 2" x 0.9"
- Harness length: 5.5m/18ft
- 3 year warranty



With an IP67 water/debris-proof rating, it's built to last.

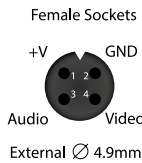


CAM-MV6-N

Featuring Six Viewing Angles, a 180° Wide-Field View, and Versatile Mounting Options for Safer, Easier Driving

Say goodbye to blind spots with CAM-MV6, featuring six viewing angles, a 180 degree wide-field view, and versatile mounting options. It offers comprehensive visibility for safer, easier driving.

CAM-MV6 is unique among EchoMaster's many aftermarket cameras in that it's designed for numerous viewing angles. This makes the camera capable of producing an impressively comprehensive view of a driver's surroundings. Able to be mounted onto either a lip or a flat surface and functional as either a front or a rear camera, its unique 180° super wide viewing angle allows the camera, and by extension, the driver, to see around obstructions that could block potential dangers like oncoming cars or pedestrians.



Harness Lengths
Video Extension:
5.5m/18ft

Dimensions D x W x H (mm/in)
24.8mm x 23.5mm x 23.5mm
0.98" x 0.93" x 0.93"

Key Features:

- 1/3" CMOS sensor
- Operates at 0.1 LUX
- 180° viewing angle
- IP67 water/debris-proof rating
- Housing dims: 24.8mm x 23.5mm x 23.5mm / 0.98" x 0.93" x 0.93"
- Harness length: 5.5m/18ft



Featuring six viewing angles, 4 rear and 2 front with a 180° wide-field view.



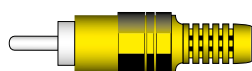
CAM-DPL-N

Universal Reverse Camera with Dynamic Parking Lines

Relax in reverse. CAM-DPL features dynamic parking lines that move when you move. Simplifying maneuvering in even the most complex situations, the parking lines give you a clear understanding of the trajectory of your car before you reverse. The camera features built-in motion sensors - once the vehicle starts moving the camera senses the movement and the guidelines move to show the path of the vehicle.

Key Features:

- 1/3" CMOS sensor
- Creates dynamic parking guidelines to show trajectory of reversing car
- 170° viewing angle
- Operates at 0.5 LUX



Harness Lengths
Video Extension:
6m/19.5ft

Dimensions D x W x H (mm/in)
24.8mm x 23.5mm x 23.5mm
0.98" x 0.93" x 0.93"



Avoid and correct potential accidents with dynamic lines.



3 year warranty

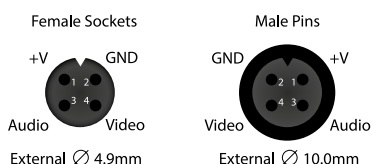
PCAM-201-N

Mini Lip Mount Camera for Front or Rear View with Parking Lines

This CMOS camera and its compact design make it easy to discreetly install on almost any vehicle, providing the driver with a much enhanced view of their surroundings for safer, easier driving. With an IP67 water/debris-proof rating, it is built to last, withstanding dust, water immersion and other environmental hazards.

Designed to mount to a lip (surface of the vehicle that juts out a bit); the most popular mounting option being the lip above the vehicle's license plate.

The selectable image adds to its versatility, mount on the back of a car for a backup camera, or to the front of your vehicle for use as a front camera. When used as a backup camera, placing your car in reverse will automatically turn on the camera image. It can also be installed as a front camera, triggered on when your car is put in drive, under a certain mph (interface required).



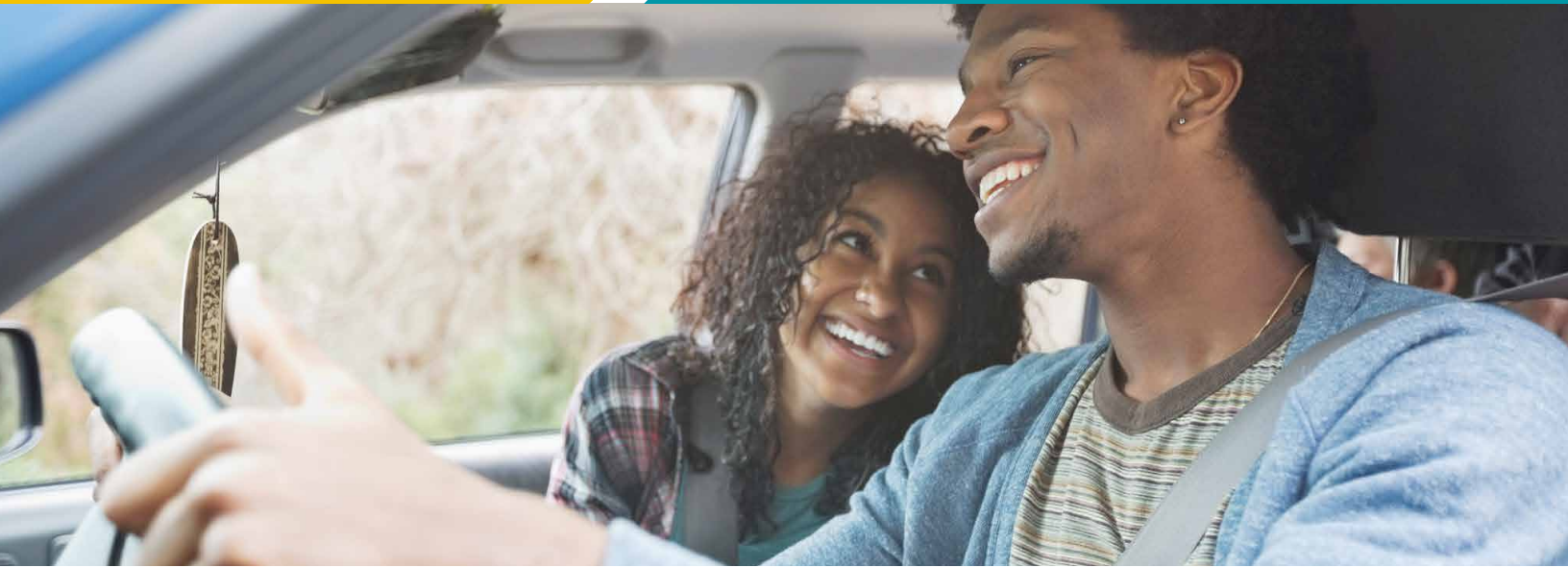
Harness Lengths
Video Extension:
5.5m/18ft

Dimensions D x W x H (mm/in)
27mm x 26mm x 27mm
1.1" x 1" x 1.1"

Key Features:

- 1/4" CMOS sensor
- Operates at 0.5 LUX
- 170° viewing angle
- IP67 water/debris-proof rating
- Parking lines (selectable)
- Mirrored/non-mirrored image (selectable)
- Hole diameter 19mm
- Hole saw included
- 3 year warranty



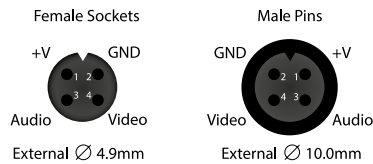


PCAM-360-N

Adjustable Angle Camera for Side, Front, or Rear View with Parking Lines



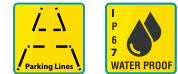
Dimensions D x W x H (mm/in)
21mm x 25mm x 25mm
0.8" x 1" x 1"



Key Features:

- 1/4" CMOS sensor
- Operates at 0.3 LUX
- 170° viewing angle

- Parking lines (selectable)
- IP67 water/debris-proof rating
- Mirrored/non-mirrored image (selectable)
- Hole diameter 21mm
- Hole saw included
- 3 year warranty



Harness Lengths
Video Extension: 5.5m/18ft

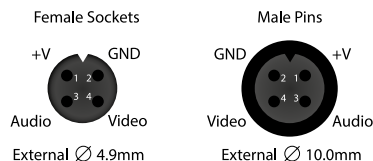


PCAM-220-N

Bullet Style, Flush Mount Camera for Front or Rear View with Parking Lines



Dimensions D x W x H (mm/in)
22mm x 18mm x 18mm
0.9" x 0.7" x 0.7"



Key Features:

- 1/4" CMOS sensor
- Operates at 0.5 LUX
- 170° viewing angle

- Parking lines (selectable)
- IP67 water/debris-proof rating
- Mirrored/non-mirrored image (selectable)
- Hole diameter 19mm
- Hole saw included
- Also compatible with PCAM-JP2
- 3 year warranty



Harness Lengths
Video Extension: 5.5m/18ft





PCAM-110-N

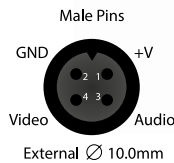
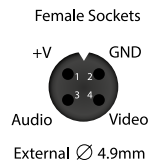
Lip or Trunk Handle Mount Camera with Parking Lines for Rear View

This versatile vehicle blind spot backup camera can be used in lip, tailgate or van door locations. Equipped with parking lines for extra security and guidance while reversing.

Durable water-resistant, 1/4" CMOS and simple to install. Mounted on a lip or tailgate, it provides a clear, consistent view of your surroundings.

Key Features:

- 1/4" CMOS sensor
- Operates at 0.5 LUX
- 170° viewing angle
- IP67 water/debris-proof rating
- Parking lines (selectable)
- Hole diameter 18.5mm
- Hole saw included
- 3 year warranty



Harness Lengths
Video Extension
5.5m/18ft

Dimensions D x W x H (mm/in)
30mm x 30mm x 74mm
1.2" x 1.2" x 2.9"

Backup Camera Mounting Options

PCAM-110 can be lip mounted as a rear-facing camera on a horizontal surface.



For Lip Mounting

For Tailgate Mounting
(reposition wiring)

PCAM-150-N

Lip or Trunk Handle Mount Camera with Parking Lines for Front or Rear View

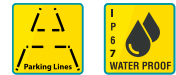
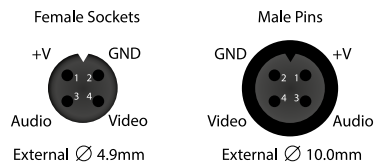


Dimensions D x W x H (mm/in)
27mm x 50mm x 24mm
1.1" x 2" x 0.9"

Harness Lengths
Video Extension: 5.5m/18ft

Key Features:

- 1/4" CMOS sensor
- Operates at 0.5 LUX
- 170° viewing angle
- IP67 water/debris-proof rating
- Parking lines (selectable)
- Mirrored/non-mirrored image (selectable)
- 3 year warranty



CAM-01-N

Universal Flush or Pedestal Mount Camera for Front or Rear View

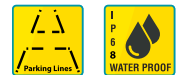
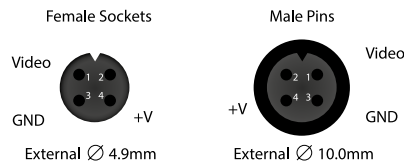


Dimensions D x W x H (mm/in)
18mm x 14mm x 28mm
0.7" x 0.6" x 1.1"

Harness Lengths
Video Extension: 6m/19.5ft

Key Features:

- 1/3" HD CMOS sensor
- Operates at 0.1 LUX
- 170° viewing angle
- IP68 water/debris-proof rating
- Parking lines (selectable)
- Mirrored/non-mirrored image (selectable)



CAM-02-N

Universal Mount Camera for Front or Rear View

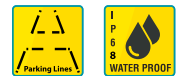
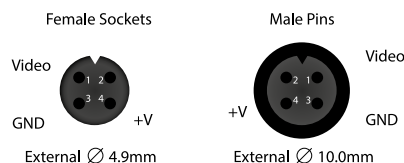


Dimensions D x W x H (mm/in)
31mm x 47mm x 25mm
1.24" x 1.85" x 0.98"

Harness Lengths
Video Extension: 6m/19.5ft

Key Features:

- 1/4" CMOS sensor
- Operates at 0.3 LUX
- 170° viewing angle
- IP68 water/debris-proof rating
- Parking lines (selectable)
- Mirrored/non-mirrored image (selectable)



Third Brake Light Mount

PCAM-15C-N

Universal Third Brake Light Camera with Night Vision



Dimensions D x W x H (mm/in)
50mm x 200mm x 58mm
2" x 7.9" x 2.3"

Harness Lengths
Video Extension:
10m/32ft; 48cm/19in

Key Features:

- 1/4" CMOS sensor
- Operates at 0 LUX
- 170° viewing angle

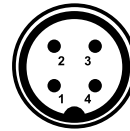
- IP67 water/debris-proof rating
- Parking lines (selectable)
- 3 year warranty



PIN	TYPE
1	POWER
2	GND
3	AUDIO
4	VIDEO



SOCKET
(FEMALE PINS)



PLUG
(MALE PINS)

PIN	TYPE
1	POWER
2	GND
3	AUDIO
4	VIDEO



Roof Mount

PCAM-RM1-N

Roof-Mounted Reverse Camera with Night Vision



Dimensions D x W x H (mm/in)
20mm x 35mm x 32mm
0.78" x 1.37" x 1.25"

Harness Lengths
Video Extension: 6m/19.5ft

Key Features:

- 1/4" CCD sensor
- Operates at 0 LUX
- 120° viewing angle

- IP67 water/debris-proof rating
- Mirrored image
- Recommend GXE-10, 10m extension cable
- 3 year warranty



PIN	TYPE
1	POWER
2	GND
3	AUDIO
4	VIDEO



SOCKET
(FEMALE PINS)



PLUG
(MALE PINS)

PIN	TYPE
1	POWER
2	GND
3	AUDIO
4	VIDEO



Wireless Camera & Receiver

RVC-W2

Wireless Camera and Receiver Kit



Dimensions D x W x H (mm/in)
20mm x 35mm x 32mm
0.78" x 1.37" x 1.25"

Harness Lengths
Video Extension: 7m/25ft
Receiver: 17"

Key Features:

- 1/3" CCD sensor
- Operates at 0 LUX
- 120° viewing angle

- 2.4G digital wireless video transmission up to 90ft
- IR night vision illumination
- IP68 water/debris-proof rating





CAM-LF3C-N

Slim Chrome Full Frame License Plate Reverse Camera



Dimensions D x W x H (mm/in)
 23mm x 312mm x 162mm
 0.91" x 12.3" x 6.39"

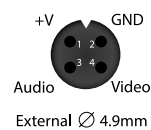
Key Features:

- 1/3" CCD sensor
- Operates at 0.3 LUX
- 175° viewing angle

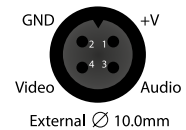
- IP67 water/debris-proof rating
- 50 state legal



Female Sockets



Male Pins



CAM-LF3B-N

Slim Black Full Frame License Plate Reverse Camera



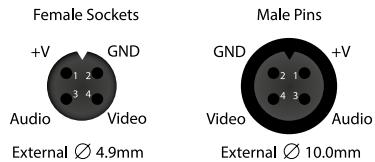
Dimensions D x W x H (mm/in)
23mm x 312mm x 162mm
0.91" x 12.3" x 6.39"

Harness Lengths
Video Extension: 7m/25ft

Key Features:

- 1/3" CCD sensor
- Operates at 0.3 LUX
- 175° viewing angle

- IP67 water/debris-proof rating
- 50 state legal



CAM-LF2C-N

Slim Chrome Full Frame License Plate Video Camera with Night Vision for Front or Rear View



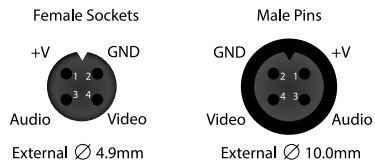
Dimensions D x W x H (mm/in)
27mm x 310mm x 160mm
0.92" x 12.2" x 6.34"

Harness Lengths
Video Extension: 7m/25ft

Key Features:

- 1/4" CMOS sensor
- Operates at 0 LUX
- 140° viewing angle

- IP67 water/debris-proof rating
- Mirrored/non-mirrored image (selectable)



CAM-LF2B-N

Black Full Frame License Plate Video Camera with Night Vision for Front or Rear View



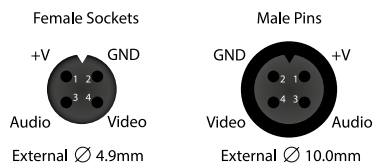
Dimensions D x W x H (mm/in)
24mm x 310mm x 161mm
0.92" x 12.2" x 6.34"

Harness Lengths
Video Extension: 7m/25ft

Key Features:

- 1/4" CMOS sensor
- Operates at 0 LUX
- 140° viewing angle

- IP67 water/debris-proof rating
- Mirrored/non-mirrored image (selectable)



CAM-LF1C-N

Full Frame License Plate Camera with Chrome Metal Finish for Front or Rear View



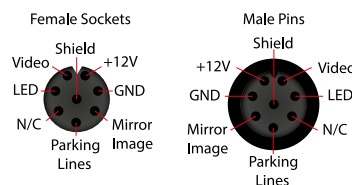
Dimensions D x W x H (mm/in)
21mm x 310mm x 167mm
1.10" x 12.3" x 6.38"

Harness Lengths
Video Extension: 7m/25ft

Key Features:

- 1/4" CMOS sensor
- Operates at 0 LUX
- 170° viewing angle
- Parking lines (selectable)

- IP67 water/debris-proof rating
- Mirrored/non-mirrored image (selectable)



CAM-LF1B-B

Full Frame License Plate Camera with Black Zinc Metal Finish for Front or Rear View



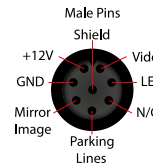
Dimensions D x W x H (mm/in)
28mm x 312mm x 162mm
1.10" x 12.3" x 6.38"

Harness Lengths
Video Extension: 7m/25ft

Key Features:

- 1/4" CMOS sensor
- Operates at 0 LUX
- 170° viewing angle
- Parking lines (selectable)

- IP67 water/debris-proof rating
- Mirrored/non-mirrored image (selectable)



PCAM-10I-N

License Plate Infrared Camera with Parking Lines for Front or Rear View, Mounts Behind License Plate



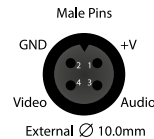
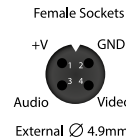
Dimensions D x W x H (mm/in)
35mm x 196mm x 35mm
1.4" x 7.7" x 1.4"

Harness Lengths
Video Extension: 5.5m/18ft

Key Features:

- 1/4" CMOS sensor
- Operates at 0 LUX
- 170° viewing angle
- Parking lines (selectable)
- 7 IR LEDs
- Optional lip mount bracket

- IP67 water/debris-proof rating
- Mirrored/non-mirrored image (selectable)
- 3 year warranty



PCAM-10L-N

License Plate Camera with Parking Line for Front or Rear View, Mounts Behind License Plate



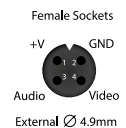
Dimensions D x W x H (mm/in)
35mm x 196mm x 35mm
1.4" x 7.7" x 1.4"

Harness Lengths
Video Extension: 5.5m/18ft

Key Features:

- 1/4" CMOS sensor
- Operates at 0.5 LUX
- 170° viewing angle
- Parking lines (selectable)
- 3 year warranty

- IP67 water/debris-proof rating
- Mirrored/non-mirrored image (selectable)
- Optional lip mount bracket



PCAM-LB2B-N

License Plate Mount Reverse Camera with Parking Lines



Dimensions D x W x H (mm/in)
25mm x 192mm x 28mm
1" x 7.8" x 1.1"

Harness Lengths
Video Extension: 6.5m/21ft

Key Features:

- 1/4" CMOS sensor
- Operates at 1 LUX
- 170° viewing angle

- IP67 water/debris-proof rating
- Parking lines (selectable)
- Mirrored image
- 3 year warranty



CAM-LP1-N

License Plate Mount Camera with Parking Lines

for Front or Rear View, Mounts Behind License Plate



Dimensions D x W x H (mm/in)
41mm x 196mm x 35mm
1.61" x 7.72" x 1.38"

Harness Lengths
Video Extension: 6m/19.5ft

Key Features:

- 1/3" CMOS sensor
- Operates at 0.1 LUX
- 170° viewing angle
- IP68 water/debris-proof rating

- Mirrored/non-mirrored image (selectable)
- Parking lines (selectable)



Female Sockets



Male Pins



CAM-LB1B-N

Bar Style License Plate Camera with Parking Lines

in Black Metal Finish for Front or Rear View



Dimensions D x W x H (mm/in)
24mm x 180mm x 28mm
0.92" x 7" x 1.1"

Harness Lengths
Video Extension: 7.5m/24in

Key Features:

- 1/4" CMOS sensor
- Operates at 0.1 LUX
- 170° viewing angle
- Parking lines (selectable)
- IP67 water/debris-proof rating

- Mirrored/non-mirrored image (selectable)
- LEDs for nighttime illumination



Female Sockets



Male Pins



CAM-LB1C-N

Bar Style License Plate Camera with Parking Lines

in Chrome Metal Finish for Front or Rear View



Dimensions D x W x H (mm/in)
24mm x 180mm x 28mm
0.92" x 7" x 1.1"

Harness Lengths
Video Extension: 7.5m/24in

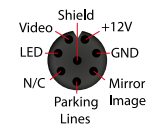
Key Features:

- 1/4" CMOS sensor
- Operates at 0.1 LUX
- 170° viewing angle
- Parking lines (selectable)
- IP67 water/debris-proof rating

- Mirrored/non-mirrored image (selectable)
- LEDs for nighttime illumination



Female Sockets



Male Pins



CAM-LB3C-N

Bar Style License Plate Mount Camera with Parking Lines

for Front or Rear View



Dimensions D x W x H (mm/in)
24mm x 250mm x 21mm
0.92" x 9.84" x 0.82"

Key Features:

- 1/4" CMOS sensor
- Operates at 0.3 LUX
- 170° viewing angle

- IP68 water/debris-proof rating
- Parking lines (selectable)
- Mirrored/non-mirrored image (selectable)
- Gun metal grey finish



Harness Lengths
Video Extension: 6m/19.5ft





PMK-73BS

Blind Spot Monitor Camera Kits

Blind spot monitoring via camera systems can make a significant difference in accident risk. EchoMaster universal monitor and camera kits let you create a sophisticated, driver-responsive safety experience in any vehicle.

Blind spot monitoring, lane change assist kit. Take the twisting and turning out of lane changing. PCAM-BS1-N cameras mount under side view mirrors, and are displayed on the PMM-7333-PL when turn signals are used. The PMM-7333-PL converts the signals to constant, the turn signal indicator pulses to a constant trigger, eliminating the need for a camera switcher.



3 year warranty

PCAM-BS1-N (x2)

Key Features:

- 1/4" CMOS sensor
- Operates at 0.1 LUX
- 80° viewing angle
- IP67 water/debris-proof rating
- Parking lines (selectable)
- Mirrored/non-mirrored image (selectable)
- 3 year warranty

PMM-7333-PL

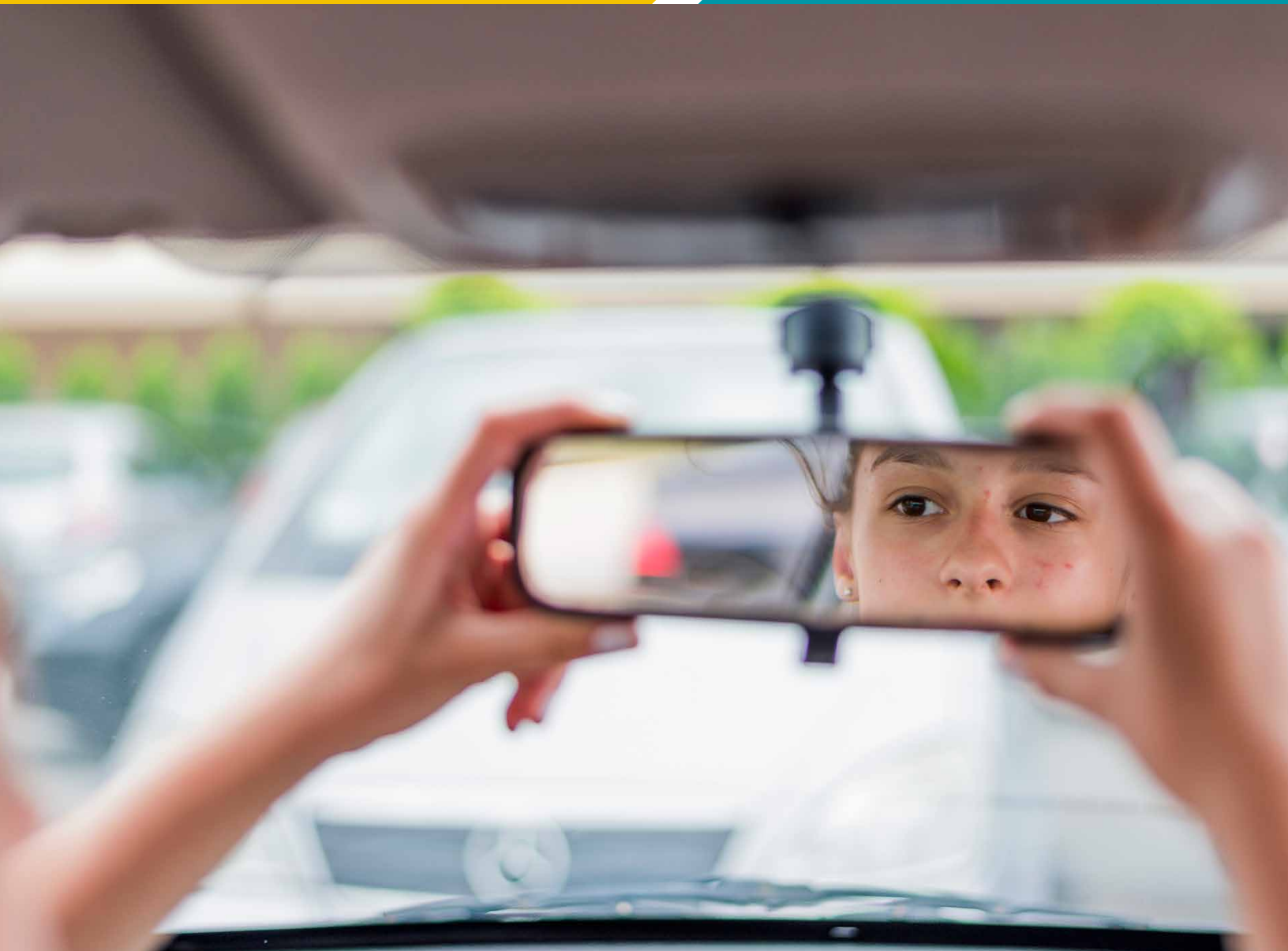
Key Features:

- Triple video inputs
- 3 individual triggers
- Adjustable parking lines
- Remote control included
- Auto-dimming display
- Full or split screen viewing
- 3 year warranty

PCAM-10L-N

Key Features:

- 1/4" CMOS sensor
- Operates at 0.5 LUX
- 170° viewing angle
- IP67 water/debris-proof rating
- Parking lines (selectable)
- Mirrored/non-mirrored image (selectable)
- 3 year warranty



PCAM-10I Kits

Refer to monitor section for additional mirror monitor information



- 1/4" CMOS sensor
- Operates at 0 LUX
- 170° viewing angle
- IP67 water/debris-proof rating
- Parking lines (selectable)
- Mirrored/non-mirrored image (selectable)
- 7 IR LEDs
- 3 year warranty

PRO

Kit Part Number	Includes PCAM-10I and
KLI3MAD	3.5" Display Mirror Monitor (PMM-35-ADPL)
KLI3R	3.5" Display Mirror Monitor (PMM-35-DPL)
KLI4C	4.3" Windshield Mount Monitor (PMM-43)
KLI4M	4.3" Display Mirror Monitor (PMM-43-PL)
KLI4R	4.3" Display Mirror Monitor (PMM-4322-COM-PL)
KLI5E	5" Flush Mount Monitor (PMM-50-FM)

PCAM-10L Kits



- 1/4" CMOS sensor
- Operates at 0.5 LUX
- 170° viewing angle
- IP67 water/debris-proof rating
- Parking lines (selectable)
- Mirrored/non-mirrored image (selectable)
- 3 year warranty

PRO

Kit Part Number	Includes PCAM-10L and
K103R	3.5" Rear Camera Display Mirror (PMM-35-PL)
K104C	4.3" Windshield Mount Monitor (PMON-43)
K104M	4.3" Rear Camera Display Mirror (PMM-43-PL)
K104R	4.3" Rear Camera Display Mirror (PMM-4322-COM-PL)

PCAM-110 Kits



- 1/4" CMOS sensor
- Operates at 0.5 LUX
- 170° viewing angle
- IP67 water/debris-proof rating
- Parking lines (selectable)
- Mirrored/non-mirrored image (selectable)
- 3 year warranty

PRO

Kit Part Number	Includes PCAM-110 and
K013A	3.5" Rear Camera Display Mirror (PMM-35-ADPL)
K013R	3.5" Rear Camera Display Mirror (PMM-35-PL)
K014C	4.3" Windshield Mount Monitor (PMON-43)
K014M	4.3" Rear Camera Display Mirror (PMM-43-PL)
K014R	4.3" Rear Camera Display Mirror (PMM-4322-COM-PL)

PCAM-150 Kits



- 1/4" CMOS sensor
- Operates at 0.5 LUX
- 170° viewing angle
- IP67 water/debris-proof rating
- Parking lines (selectable)
- Mirrored/non-mirrored image (selectable)
- 3 year warranty

PRO

Kit Part Number	Includes PCAM-150 and
K503R	3.5" Rear Camera Display Mirror (PMM-35-PL)
K504C	4.3" Windshield Mount Monitor (PMON-43)
K504M	4.3" Rear Camera Display Mirror (PMM-43-PL)
K504R	4.3" Rear Camera Display Mirror (PMM-4322-COM-PL)

PCAM-201 Kits



- 1/4" CMOS sensor
- Operates at 0.5 LUX
- 170° viewing angle
- IP67 water/debris-proof rating
- Parking lines (selectable)
- Mirrored/non-mirrored image (selectable)
- 3 year warranty

PRO

Kit Part Number	Includes PCAM-201 and
K203R	3.5" Rear Camera Display Mirror (PMM-35-PL)
K204C	4.3" Windshield Mount Monitor (PMM-43)
K204M	4.3" Rear Camera Display Mirror (PMM-43-PL)
K204R	4.3" Rear Camera Display Mirror (PMM-4322-COM-PL)

PCAM-220 Kits



- 1/4" CMOS sensor
- Operates at 0.5 LUX
- 170° viewing angle
- IP67 water/debris-proof rating
- Parking lines (selectable)
- Mirrored/non-mirrored image (selectable)
- 3 year warranty

PRO

Kit Part Number	Includes PCAM-220 and
K224R	4.3" Rear Camera Display Mirror (PMM-4322-COM-PL)

PCAM-360 Kits



- 1/4" CMOS sensor
- Operates at 0.3 LUX
- 170° viewing angle
- IP67 water/debris-proof rating
- Parking lines (selectable)
- Mirrored/non-mirrored image (selectable)
- 3 year warranty

PRO

Kit Part Number	Includes PCAM-360 and
K364C	4.3" Windshield Mount Monitor (PMM-43)

Total peace
of mind with our
vehicle-specific
solutions

FC-CH21

Complete Backup Camera Integration Kit

for Select Chrysler/Jeep/Dodge/RAM Vehicles



Includes:

Mini lip-mount camera (PCAM-201-N), integrated harness and PAC interface module (BCI-CH21).

3 year warranty.



FC-CH41

Complete Backup Camera Integration Kit

for Select Dodge/Chrysler/Jeep/RAM Vehicles



Includes:

Mini lip-mount camera (PCAM-201-N), integrated harness and PAC interface module (BCI-CH41v2).

3 year warranty.



FC-CH41-RSC

Complete Blind Spot Elimination Kit

for Select 2013-2017 Dodge/Jeep/RAM Vehicles with 5" or 8.4" Screens



Includes:

Mini-lip mount camera (PCAM-201-N), two side blind spot cameras (PCAM-BS1-NSET), integrated harness, PAC interface module (PAC BCI-CH41v2), and 4 camera switcher (PAC VS41).

3 year warranty.



FC-CH41-SC

Complete Lane Change Assistance Kit

for Select 2013-2017 Dodge/Jeep/Ram Vehicles with 5" or 8.4" Screens



Includes:

Two side blind spot cameras (PCAM-BS1-NSET), integrated harness, PAC interface module (PAC BCI-CH41v2), and 4 camera switcher (PAC VS41).

3 year warranty.



FC-CJ300

Backup Camera Integration Kit

for Select Chrysler/Dodge/Jeep Vehicles



2011-14 Chrysler 300/300C and 2011-16 Dodge Charger & 2014-15 Journey with 8.4" Screen - camera (PCAM-201-N) & integrated connect harness;
Dealer programming required.

3 year warranty.

PRO

FC-CJDR

Backup Camera Integration Kit

for Select Chrysler/Dodge/Jeep Vehicles



2009-16 Chrysler Town & Country, Dodge Grand Caravan and Jeep Grand Cherokee and Patriot, 2009-14 Nitro and Liberty 2009-15 Jeep Compass with MyGig - camera (PCAM-201-N) & integrated connect harness;
Dealer programming required.

3 year warranty.

PRO

FC-GCH-2

Complete Backup Camera Integration Kit

for Select Chryslers/Dodge/Jeep Vehicles



2014-16 Dodge Durango and Jeep Grand Cherokee with 4.3", 5" & 8.4" Screen - camera (PCAM-201-N) and PAC interface module (BCI-CH21).

No dealer programming required.

Applications include select 2007-2017 Chrysler / Dodge / Jeep / RAM vehicles.

3 year warranty.

PRO

FC-GCH

Backup Camera Integration Kit

for Select Chryslers



Includes:

2014-16 Jeep Grand Cherokee and Dodge Durango with 4.3", 5" & 8.4" screen, includes camera (PCAM-201-N) & integrated connect harness;
Dealer programming required.

3 year warranty.

PRO

Dodge Durango



PCAM-PM4

Third Brake Light Camera with Parking Lines for Dodge ProMaster (2014-2016)

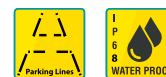


Key Features:

- 1/4" CMOS sensor
- Operates at 0.3 LUX
- 170° viewing angle



- IP67 water/debris-proof rating
- Parking lines (selectable)
- Mirrored image
- 3 year warranty



Dodge ProMaster

DP04R Kit

Includes: PCAM-PM4 + PMM-43-CJD-PL



4.3" Mirror Monitor for Chrysler, Dodge, and Jeep with Auto-Dimming Display and Adjustable Parking Lines.

3 year warranty.



DP05E

Includes: PCAM-PM4 + PMON-50-FM



For 2014-2016 Promaster

5" Flush Mount Dual Input Monitor.

3 year warranty.





K043PMC

2015 ProMaster City Kit - With Camera

(PCAM-360) and 4.3" Rear Camera Display Mirror (PMM-43-PMC-PL)

Key Features Camera:

- 1/4" CMOS sensor
- Operates at 0.3 LUX
- 170° viewing angle
- IP67 water/debris-proof rating
- Parking lines (selectable)
- Mirrored/non-mirrored image (selectable)



Key Features Rearview Mirror:

- Reverse trigger input
- Adjustable parking lines
- Remote control included
- Auto-dimming display
- Dual video inputs



PCAM-RAM-N

Tailgate Handle Camera With Parking Lines

for RAM (2009-2017)



Dimensions D x W x H (mm/in)
95mm x 239mm x 103mm
3.7" x 9.4" x 4"

Harness Lengths
Video Extension: 5.5m/18ft

Key Features:

- 1/4" CMOS sensor
- Operates at 0.5 LUX
- 170° viewing angle
- Mirrored image

- IP67 water/debris-proof rating
- Parking lines (selectable)
- 3 year warranty



Dodge RAM

FC-DRAMPRO-RSC

Complete Blind Spot Elimination Kit

for Select 2013-2017 RAMS with 5" or 8.4" Screens



Includes:

Tailgate camera (PCAM-RAM-N), two side blind spot cameras (PCAM-BS1-NSET), integrated harness, PAC interface module (PAC BCI-CH41v2), and 4 camera switcher (PAC VS41).

3 year warranty.



FC-DRAMPRO

Complete Tailgate Handle Camera Integrated Kit

for Select 2013-2017 RAMS with 5" or 8.4" Screens



2013-17 RAM with 5" or 8.4" Screen - Tailgate camera (PCAM-RAM-N) and PAC interface module BCI-CH41v2.

3 year warranty.



FC-DRAM

Tailgate Handle Camera with Parking Lines

for Select 2013-2017 RAM Trucks



2013-17 RAM with 5" or 8.4" Screen - Tailgate camera (PCAM-RAM-N) and integrated connect harness; **Dealer programming required.**

3 year warranty.



PCAM-JP2-N

Jeep Spare Tire Mount Camera with Parking Lines and Mounting Bracket

Note: Wheel style dependent on 2017 models.

Key Features:

- 1/4" CMOS sensor
- Operates at 0.5 LUX
- 170° viewing angle
- IP67 water/debris-proof rating
- Parking lines (selectable)
- Mirrored/non-mirrored image (selectable)
- 3 year warranty

Bracket Dimensions D x W x H (mm/in)
48mm x 124mm x 185mm
1.9" x 4.9" x 7.3"

Harness Lengths
Video Extension: 5.5m/18ft



Jeep Wrangler

FC-WRANGLEPRO-RSC

Complete Blind Spot Elimination Kit

for (2009-2016 Jeep Wrangler) with MyGig



Note: Wheel style dependent on 2017 models.

Includes:

JP-MOUNT spare tire bracket, camera (PCAM-220-N), two side blind spot cameras (PCAM-BS1-NSET), integrated connect harness and PAC BCI-CH21 interface module and VS41 four camera switcher.

3 year warranty.



FC-WRANGLEPRO

Complete Backup Camera Integration Kit

for (2009-2016 Jeep Wrangler) with MyGig



Note: Wheel style dependent on 2017 models.

2009-16 Jeep Wrangler with MyGig - JP-MOUNT spare tire bracket, camera (PCAM-220-N), integrated connect harness and PAC BCI-CH21 interface module; No dealer programming required.

3 year warranty.



FC-WRANGLER

Spare Tire Mount Backup Camera and Integrated Harness

for Jeep Wrangler



Note: Wheel style dependent on 2017 models.

2009-16 Jeep Wrangler with MyGig - JP-MOUNT spare tire bracket, camera (PCAM-220-N) and integrated connect harness; **Dealer programming required.**

3 year warranty.



FC-FD22-SC

Complete Blind Spot Camera Integration Kit

for Select Ford F-150 and Transit Vehicles with 4.3" Screen



Two side blind spot cameras (PCAM-BS1-NSET), integrated harness and PAC interface module (MCI-FD22).

3 year warranty.



FC-FD21

Complete Backup Camera Integration Kit

for Select Ford Vehicles with 8.4" Non-Nav Screens



License plate camera (PCAM-10L-N), integrated harness and PAC interface module (BCI-FD21).

3 year warranty.



FC-FD21-RSC

Complete Blind Spot Elimination Kit

for Select 2013-2017 Ford and Lincoln Vehicles with 8.4" MyFord Touch and MyLincoln Touch Radios



Includes:

Mini-lip mount camera (PCAM-201-N), two side blind spot cameras (PCAM-BS1-NSET), integrated harness, and PAC interface module (PAC BCI-FD21).

3 year warranty.



FC-FD21-SC

Complete Lane Departure Assistance Kit

for Select 2013-2017 Ford and Lincoln Vehicles with 8.4" MyFord Touch and MyLincoln Touch Radios



Includes:

Two side blind spot cameras (PCAM-BS1-NSET), integrated harness and PAC interface module (PAC BCI-FD21).

3 year warranty.



FC-MYFT

Safety Camera Integration Harness and Programming Module

for Select Fords 2011-2014



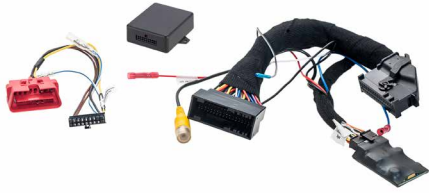
2011-14 Ford Edge; 2013-14 C-Max, Escape, F150/350, Flex and Taurus; 2014 E-Van vehicles; 2011-14 Lincoln MKS, MKT, MKX with 8" MyFord Touch - Integrated Harness & Programming Module; **Camera Not Included.**

3 year warranty.



FC-MYFT2

Safety Camera Integration Harness and Programming Module for Select Fords 2011-2014



2011-14 Ford Explorer; 2014 Fiesta; 2011-14 Focus; 2013-14 Fusion; 2011-14 Lincoln MKZ vehicles with 8" MyFord Touch - Integrated Harness and Programming Module; **Camera Not Included.**

3 year warranty.



FC-FD150

Complete Tailgate Camera Integration Kit for 2015+ F150 with 8.4" Non-Nav Screen



Tailgate camera (PCAM-FD15-N), integrated harness and PAC interface module (BCI-FD21).

3 year warranty.



FC-FF150

Tailgate Handle Camera with Parking Lines for 2008-2014 F150 and 2008-2016 F250/F350 with 8.4" Non-Nav Screen



Tailgate camera (PCAM-FF150-N), integrated harness and PAC interface module (BCI-FD21).

3 year warranty.



FC-FDFFT

Complete CHMSL (3rd Brake Light) Integration Kit for Full Sized 2014+ Ford Transit with 8.4" Non-Nav Screen



3rd brake light camera (PCAM-FFT14-N), integrated harness and PAC interface module (BCI-FD21).

3 year warranty.



Vehicle-Specific Cameras

PCAM-FF150-N

Tailgate Handle Camera with Parking Lines for Ford F150 (2005-2014) / Super Duty (2008-2016)



Dimensions D x W x H (mm/in)
76mm x 203mm x 137mm
3" x 8" x 5.4"

Harness Lengths
Video Extension: 5.5m/18ft

Key Features:

- 1/4" CMOS sensor
- Operates at 0.5 LUX
- 170° viewing angle

- IP67 water/debris-proof rating
- Parking lines (selectable)
- Mirrored image
- 3 year warranty



PCAM-FD15-N

Tailgate Handle Camera with Parking Lines for Ford F150 (2015-2017)



Dimensions D x W x H (mm/in)
87mm x 334mm x 124mm
3.4" x 13" x 4.9"

Harness Lengths
Video Extension: 5.5m/18ft

Key Features:

- 1/4" CMOS sensor
- Operates at 0.5 LUX
- 170° viewing angle

- IP67 water/debris-proof rating
- Parking lines (selectable)
- Mirrored image
- 3 year warranty

Female Sockets



External Ø 4.9mm

Male Pins



External Ø 10.0mm



PCAM-FDL-N

Ford Emblem Reverse Camera with Parking Lines for 2008-2014 F-150 & 2008-2016 Super Duty



Dimensions D x W x H (mm/in)
87mm x 334mm x 124mm
3.4" x 13" x 4.9"

Harness Lengths
Video Extension: 5.5m/18ft

Key Features:

- 1/4" CMOS sensor
- Operates at 0.5 LUX
- 170° viewing angle

- IP67 water/debris-proof rating
- Parking lines (selectable)
- Mirrored image
- 3 year warranty



PCAM-FT1-N

License Plate Light Camera for 2010-2013 Ford Transit Connect (2014-2017 on certain models)



Dimensions D x W x H (mm/in)
30mm x 60mm x 45mm
1.2" x 2.4" x 1.8"

Harness Lengths
Video Extension: 6.5m/21 ft

Key Features:

- 1/4" CCD sensor
- Operates at 0.1 LUX
- 170° viewing angle

- IP67 water/debris-proof rating
- Mirrored image
- 3 year warranty



Note: Transit Connect must have barn doors.



Ford Transit Connect

Ford Transit Connect Kits 3 year warranty



FTK3R

Camera + Monitor Kit:
PCAM-FT1 & PMM-35-PL



FTK4R

Camera + Monitor Kit:
PCAM-FT1 & PMM-4322-COM-PL



FTK5E

Camera + Monitor Kit:
PCAM-FT1 & PMON-50-FM



K043TM

Kit Includes:

PMM-43-FTM-PL

4.3" Mirror Monitor for Ford Twist Mount with Auto-Dimming Display and Adjustable Parking Lines.



PCAM-110

- 1/4" CMOS sensor
- Operates at 0.5 LUX
- 170° viewing angle
- IP67 water/debris-proof rating
- Parking lines (selectable)
- 3 year warranty



PCAM-FFT14-N

Third Brake Light Camera

for 2014-2017 Full Size Ford Transit



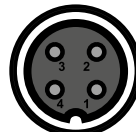
Dimensions D x W x H (mm/in)
76.5mm x 390mm x 70.5mm
3" x 15.4" x 2.8"

Harness Lengths
Video Extension:
10m/32ft

Key Features:

- 1/3" CMOS sensor
- Operates at 0.1 LUX
- 170° viewing angle
- IP68 water/debris-proof rating
- 3 year warranty

PIN	TYPE
1	POWER
2	GND
3	AUDIO
4	VIDEO



SOCKET
(FEMALE PINS)



PLUG
(MALE PINS)

PIN	TYPE
1	POWER
2	GND
3	AUDIO
4	VIDEO



FC-GM51-RSC

Complete Blind Spot Elimination Kit

for Select GM vehicles with 4.3" and 8" MyLink Systems



License plate camera (PCAM-10L-N), two side blind spot cameras (PCAM-BS1-NSET), integrated harness and PAC interface module (MCI-GM51).

3 year warranty.



General Motors

FC-GM51-CHMSL

Complete CHMSL (3rd Brake Light) Integration Kit

for Chevrolet / GMC 2014+ 1500 and 2015+ 2500/3500



CHMSL (3rd brake light camera) (PCAM-CHMSL-SIL), integrated harness and PAC interface module (MCI-GM51).

3 year warranty.



PCAM-GM1-N

Third Brake Light Camera with Night Vision

for Chevy Express / GMC Savana Van (2003-2017)



Dimensions D x W x H (mm/in)
120mm x 243mm x 86mm
4.7" x 9.6" x 3.4"

Harness Lengths
Video Extension: 10m/32ft

Key Features:

- 1/4" CMOS sensor
- Operates at 0 LUX
- 170° viewing angle

- IP67 water/debris-proof rating
- Parking lines (selectable)
- Mirrored image
- 3 year warranty



Chevy Express / GMC Savana Van Kits 3 year warranty

GMK3R

Camera + Monitor
Kit: PCAM-GM1 &
PMM-35-PL



GMK4R

Camera + Monitor Kit:
PCAM-GM1 & PMM-
4322-COM-PL



GMK5E

Camera + Monitor Kit:
PCAM-GM1 & PMON-50-FM



GMK4C

Camera + Monitor Kit:
PCAM-GM1 & PMON-43



CCE43M

2015 Chevrolet City Express Kit

with Camera (PCAM-201-N) / 4.3" Rear Camera Display Mirror (PMM-43-NV2-PL)

Camera:

- 1/4" CMOS sensor
- Operates at 0.5 LUX
- IP67 water/debris-proof rating
- Parking lines (selectable)
- Mirrored/non-mirrored image (selectable)
- 3 year warranty



Monitor:

- Dual video inputs
- Reverse trigger input
- Adjustable parking lines
- Remote control included
- Auto-dimming display
- 3 year warranty



City Express / Savana Van



Silverado / Sierra

PCAM-GM2-N

Tailgate Handle Camera

for Silverado 1500 / Sierra 1500 and Sierra HD (2014-2018)

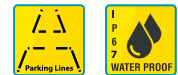


Dimensions D x W x H (mm/in)
73mm x 250mm x 147mm
2.9" x 9.8" x 5.8"

Harness Lengths
Video Extension: 6.8m/22ft

Key Features:

- 1/4" CMOS sensor
- Operates at 0.5 LUX
- 170° viewing angle
- IP67 water/debris-proof rating
- Parking lines (selectable)
- Mirrored image
- 3 year warranty



PCAM-GM3

Tailgate Handle Camera with Parking Lines

for Chevy Silverado 1500 / GMC Sierra 1500 (2007-2013), HD2500/3500 (2007-2014)

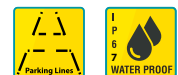


Dimensions D x W x H (mm/in)
110mm x 280mm x 121mm
4.3" x 11" x 4.8"

Harness Lengths
Video Extension: 5.5m/18ft

Key Features:

- 1/4" CMOS sensor
- Operates at 0.5 LUX
- 170° viewing angle
- IP67 water/debris-proof rating
- Parking lines (selectable)
- Mirrored image
- 3 year warranty



FC-SILV15

Complete Tailgate Camera Integration Kit

for Chevrolet/GMC 2014+ 1500 and 2015+ 2500/3500



Tailgate camera (PCAM-GM2-N), integrated harness and PAC interface module (MCI-GM51).

3 year warranty.



FC-CIVIC

Backup Camera Integration Kit



2012-2014 Civic and Acura ILX without Factory Navigation - Camera (PCAM-110-N) and integrated connect harness.

3 year warranty.



Civic / Acura ILX

FC-ODYS

Backup Camera Integration Kit



2011-12 Honda Odyssey with 8" Screen- Camera (PCAM-110-N) and integrated connect harness.

3 year warranty.



Odyssey

FC-MAZX

Backup Camera Integration Kit



2013-14 Mazda CX-9 & 2013-15 CX-5, 2013 6 Sedan, 2012 CX-7, and 2013 Mazda3 Sedan and Wagon with factory LCD screen - Camera (PCAM-201-N) & integrated connect harness.

3 year warranty.



Mazda Multiple Applications

FC-MB11-SBL-RSC

Complete CHMSL (3rd Brake Light) and Blind Spot Integration Kit for Full-Sized 2010-2017 Sprinter



3rd brake light camera (PCAM-SBL-N), two side blind spot cameras (PCAM-BS1-NSET), integrated harness, PAC interface module (BCI-MB11) and 4 camera switcher (VS41).

3 year warranty.



Mercedes

FC-MB11-SBL

Complete CHMSL (3rd Brake Light) Integration Kit for Full-Sized 2010-2017 Sprinter



3rd brake light camera (PCAM-SBL-N), integrated harness and PAC interface module (BCI-MB11).

3 year warranty.



FC-MBENZ15

Complete Backup Camera Integration Kit



2014-2016 Mercedes Benz Factory Interface with Back-up Camera (PCAM-201-N).

3 year warranty.



PCAM-SBL-N

Third Brake Light Camera with Night Vision for Sprinter Vans 2010-2017



Dimensions D x W x H (mm/in)
90mm x 330mm x 51mm
3.5" x 13" x 2"

Harness Lengths
Video Extension: 10m/32ft

Key Features:

- 1/4" CMOS sensor
- Operates at 0 LUX
- 170° viewing angle
- IP67 water/debris-proof rating
- 3 year warranty

PIN	TYPE
1	POWER
2	GND
3	AUDIO
4	VIDEO



SOCKET (FEMALE PINS)



PLUG (MALE PINS)

PIN	TYPE
1	POWER
2	GND
3	AUDIO
4	VIDEO



PCAM-NV4

Third Brake Light Camera with Night Vision for Nissan NV Van (2011-2016)



Dimensions D x W x H (mm/in)
83mm x 215mm x 74mm
3.3" x 8.5" x 2.9"

Harness lengths
Video Extension: 10m/32ft

Key Features:

- 1/4" CMOS sensor
- Operates at 0 LUX
- 170° viewing angle
- IP67 water/debris-proof rating
- Parking lines (selectable)
- Mirrored image
- 3 year warranty

PIN	TYPE
1	POWER
2	GND
3	AUDIO
4	VIDEO



SOCKET (FEMALE PINS)



PLUG (MALE PINS)

PIN	TYPE
1	POWER
2	GND
3	AUDIO
4	VIDEO



FC-SUBA

Backup Camera Integration Kit

for Select Subarus



2013-14 Subaru Legacy, Outback with 5" Touchscreen - Camera (PCAM-110-N) and integrated connect harness.

3 year warranty.



Subaru Legacy / Outback

FC-TOYO

Backup Camera Integration Kit

for Select Toyotas



2013-16 Scion FR-S; 2013-15 Scion iQ, TC, xB; 2013-14 xD; 2013-16 Subaru BRZ; 2012-13 4Runner; 2013-14 Avalon; 2012-14 Camry; 2012-13 Corolla, Highlander; 2012-15 Prius Gen 3; 2012-16 Prius C; 2012-15 Prius V; 2010-13 RAV4; 2012-15 Venza - Camera (PCAM-110-N) and integrated connect harness.

3 year warranty.



Toyota

FC-TOYO2

Backup Camera Integration Kit

for Select Toyotas 24 Pin



2016 Scion TC with OE Touchscreen; 2016 Prius C, 2014-16 Corolla, 2014-15 Highlander, Rav4, 2014.5-15 Camry, with 6.1" Screen - Camera (PCAM-110-N) & integrated connect harness.

3 year warranty.



FC-CAMRY

Backup Camera Integration Kit

for Select Camrys



2012-2014 Toyota Camry Models with 6.1" Screen - OE fit camera and integrated connect harness.

3 year warranty.



Camry



Sienna / Sequoia

FC-TSAS

Backup Camera Integration Kit

for Select Toyotas



2012-2013 Toyota Sienna and Sequoia with Screen Non-JBL - Camera (PCAM-110-N) & integrated connect harness.

3 year warranty.

PRO

Tacoma

PCAM-TTC-N

Tailgate Handle Camera with Parking Lines

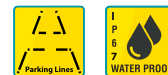
for Toyota Tacoma (2008-2015)



Key Features:

- 1/3" CMOS sensor
- 170° viewing angle
- Parking lines

- IP67 water/debris-proof rating
- Mirrored image
- Operates at 0.5 LUX
- 3 year warranty



Dimensions D x W x H (mm/in)
70mm x 248mm x 87mm
2.8" x 9.8" x 3.4"

Harness lengths
Video Extension: 7m/25ft



PRO

FC-TTAC

Tailgate Handle Camera Integration Kit

for Select Toyotas



2012-2013 Toyota Tacoma with 6.1" Screen - Tailgate Camera (PCAM-TTC-N) and integrated connect harness.

3 year warranty.

PRO

FC-TAC14

Tailgate Handle Camera Integration Kit

for Select Toyotas



2014-2015 Toyota Tacoma with 6.1" Screen - Tailgate Camera (PCAM-TTC-N) and integrated connect harness.

3 year warranty.

PRO

PCAM-TTN-N

Tailgate Handle Camera with Parking Lines

for Toyota Tundra (2009-2017), Toyota Tacoma (2016-2017)



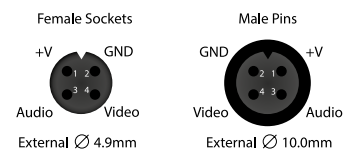
Dimensions D x W x H (mm/in)
97mm x 271mm x 133mm
3.8" x 10.7" x 5.2"

Harness Lengths
Video Extension: 5.5m/18ft

Key Features:

- 1/3" CMOS sensor
- 170° viewing angle
- Parking lines
- Mirrored image
- Operates at 0.5 LUX

- IP67 water/debris-proof rating
- 3 year warranty



PRO

Tundra

FC-TTUN

Tailgate Handle Camera Integration Kit

for Select Toyotas



2012-13 Toyota Tundra with Screen Non-JBL - Tailgate Camera (PCAM-TTN-N) & integrated connect harness.

3 year warranty.

PRO

FC-TTUN-RSC

Complete Blind Spot Elimination Kit

for 2012-13 Toyota Tundra with Screen Non-JBL



Includes:

Tailgate camera (PCAM-TTN-N), two side blind spot cameras (PCAM-BS1-NSET), integrated harness, and 4 camera switcher (PAC VS41).

3 year warranty.



FC-TTUN-SC

Complete Lane Departure Assistance Kit

for 2012-13 Toyota Tundra with Screen Non-JBL



Includes:

Two side blind spot cameras (PCAM-BS1-NSET), integrated harness, and 4 camera switcher (PAC VS41).

3 year warranty.



FC-AUDI12

Camera and Integration Module

for Select Audis



For select Audi vehicles with full-color LCD and 3G external MMI (3rd generation multi-media interface); Camera (PCAM-201-N); 2009-2015 Audi A4/S4, A5/S5, A6/S6, Q5, and Q7; 2012-2015 A7/S7.

3 year warranty.



FC-AUDI13

Camera and Integration Module

for Select Audis



For select Audi vehicles with full-color LCD and 3G internal MMI (3rd generation multi-media interface); Camera (PCAM-201-N); 2009-2014 A4/S4; 2009-2015 A5/S5 and Q5.

3 year warranty.



Audi



Blind Spot Assistance Kits for General Motors

Multi-camera viewing system for
visibility from any angle

Available Now for GM Heavy Duty, Light Duty, Mid-Sized Trucks and Large SUVs

Multi-Camera Blind Spot System For General Motors

Expand your field of vision without adding bulk to your truck's body

Whether reversing, driving or parking, this fully integrated, multi-camera solution gives visibility into common truck blind spot areas. Built with trailering in mind, the three-camera system, with optional fourth, and customized user interface, integrates seamlessly into the truck's factory infotainment screen.

Utilizing six screen modes, smart technology enables camera activation based on driver behavior; left and right turn signals and placing the truck in reverse activate camera views on the vehicle's infotainment screen. The system alternatively allows for manual activation by the driver.

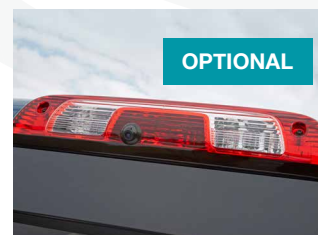
System Features

Turn Signal

The camera system automatically displays the correlating side view in the center screen when the turn signals are activated.

Driver Selectable Views

Six selectable in-dash touch-screen menu viewing options.



Six Touch-Screen Menu Choices

- Integrates with the in-dash screen
- Individual or multiple selectable views
- Rear backup camera activates when vehicle placed in reverse
- Press/hold the radio BACK button to bring up the camera menu screen and select the trailer camera; cameras can be activated when moving forward or reversing

Rear View Trailer Camera

- Rear trailer camera mounts on the top, rearmost trailer edge for a behind-trailer view when backing or on demand anytime
- Conveniently hardwires to trailer lights for power while wirelessly transmitting images through a closed 2.4G wireless network
- Features infrared lighting for enhanced imaging in low-light conditions
- Unobstructed connectivity range of up to 90ft

Side View Mirror Cameras

- Mirror housings for a clean look
- The wide 70-degree viewing angle enhances side view visibility
- Crisp, detailed images using HD CMOS-technology image sensors
- Nighttime viewing allows maximum imaging in low-light conditions
- Top-rated dust and liquid resistant camera housings (IP67/68)

CHMSL Third Brake Light Cameras

- Gain a full view of the truck bed
- 1/4" CMOS sensor
- Operates at 0.1 LUX
- 75° viewing angle
- IP67 water/debris-proof rating

Choose Your GM Kit

Options for Your GM Trucks and Large Size SUVs

Brand	Part Number	Description	Application			
			Front	Side	Wireless Rear	CHMSL
Expeditor / Retail Multi-Camera Switchers						
EchoMaster	FC-GMHD101-MC	2015-2018 GM Silverado / Sierra equipped with 4" or 8" infotainment and <u>towing</u> mirrors blind spot camera system. Textured black mirror caps.	O	I	O	O
EchoMaster	FC-GMLD101-MC	2014-2018 GM Silverado / Sierra equipped with 4" or 8" infotainment and <u>standard</u> mirrors blind spot camera system. Chromed mirror caps.	O	I	O	O
EchoMaster	FC-GMCC101-MC	2015-2018 GM Colorado / Canyon equipped with 4" or 8" infotainment and standard mirrors blind spot camera system. Chromed mirror caps.	O	I	O	X
EchoMaster	FC-GMSUV101-MC	2015-2018 GM Suburban / Yukon / Tahoe equipped with 4" or 8" infotainment and standard mirrors blind spot camera system. Chromed mirror caps.	O	I	O	X
EchoMaster	FC-GMHD102-MC	2016-2017 GM Silverado / Sierra equipped with 7" infotainment and <u>towing</u> mirrors blind spot camera system. Textured black mirror caps.	O	I	O	O
EchoMaster	FC-GMLD102-MC	2016-2017 GM Silverado / Sierra equipped with 7" infotainment and <u>standard</u> mirrors blind spot camera system. Chromed mirror caps.	O	I	O	O
PAC	MCI-GM51	2014-2018 GM Truck and SUV equipped with 4" or 8" infotainment 4 input switching system. No cameras included.	O	O	O	O
PAC	MCI-GM52	Select GM vehicles equipped with 7" infotainment 4 input switching system. No cameras included.	O	O	O	O

I = INCLUDED O = OPTIONAL X = NOT AVAILABLE

FC-GMHD101-MC

Blind Spot Integrated Camera System

for Heavy Duty GM Trucks



2015-2018 GM Silverado / Sierra equipped with 4" or 8" infotainment and towing mirrors blind spot camera system. Textured black mirror caps.

Optional add-ons:

- 2.4GHz wireless camera
- CHMSL (center high mount stop lamp) camera
- 3 year warranty



FC-GMLD101-MC

Blind Spot Integrated Camera System

for Light Duty GM Trucks



2014-2018 GM Silverado / Sierra equipped with 4" or 8" infotainment and standard mirrors blind spot camera system. Chromed mirror caps.

Optional add-ons:

- 2.4GHz wireless camera
- CHMSL (center high mount stop lamp) camera
- 3 year warranty



FC-GMCC101-MC

Blind Spot Integrated Camera System

for GM Colorado / Canyon



2015-2018 GM Colorado / Canyon equipped with 4" or 8" infotainment and standard mirrors blind spot camera system. Chromed mirror caps.

Optional add-ons:

- 2.4GHz wireless camera
- 3 year warranty

PRO

FC-GMSUV101-MC

Blind Spot Integrated Camera System

for GM Suburban / Yukon / Tahoe



2015-2018 GM Suburban / Yukon / Tahoe equipped with 4" or 8" infotainment and standard mirrors blind spot camera system. Chromed mirror caps.

Optional add-ons:

- 2.4GHz wireless camera
- 3 year warranty

PRO

FC-GMHD102-MC

Blind Spot Integrated Camera System

for Heavy Duty Trucks IOB



2016-2017 GM Silverado / Sierra equipped with 7" infotainment and towing mirrors blind spot camera system. Textured black mirror caps.

Optional add-ons:

- 2.4GHz wireless camera
- CHMSL (center high mount stop lamp) camera
- 3 year warranty

PRO

FC-GMLD102-MC

Blind Spot Integrated Camera System

for Light Duty Trucks IOB



2016-2017 GM Silverado / Sierra equipped with 7" infotainment and standard mirrors blind spot camera system. Chromed mirror caps.

Optional add-ons:

- 2.4GHz wireless camera
- CHMSL (center high mount stop lamp) camera
- 3 year warranty

PRO

RVC-W2

Wireless Camera and Receiver Kit



Dimensions D x W x H (mm/in)
20mm x 35mm x 32mm
0.78" x 1.37" x 1.25"

Key Features:

- 1/3" CCD sensor
- Operates at 0 LUX
- 120° viewing angle

- 2.4G digital wireless video transmission up to 90ft
- IR night vision illumination
- IP68 water/debris-proof rating

PCAM-CHMSL-SIL

Universal CHMSL Camera

for 2014-2018 Silverado / Sierra LD and 2015 - 2018 Silverado / Sierra HD

For use with stock high mount brake light.



Dimensions D x W x H (mm/in)
56mm x 404mm x 138mm
2.2" x 15.9" x 5.4"

Key Features:

- Key Features:
- 1/4" CMOS sensor

- 75° viewing angle
- IP67 water/debris-proof rating
- Operates at 0.1 LUX
- 3 year warranty



PCAM-CHMSL-SIL14

CHMSL Camera

for 2014-2015 Silverado / Sierra

For use with stock high mount brake light.



Dimensions D x W x H (mm/in)
56mm x 404mm x 138mm
2.2" x 15.9" x 5.4"

Key Features:

- 1/4" CMOS sensor
- Operates at 0.1 LUX

- 75° viewing angle
- IP67 water/debris-proof rating
- Simple connect at tailgate camera harness location
- 3 year warranty



PCAM-CHMSL-SIL16

CHMSL Camera

for 2016-2018 Silverado / Sierra

For use with stock high mount brake light.



Dimensions D x W x H (mm/in)
56mm x 404mm x 138mm
2.2" x 15.9" x 5.4"

Key Features:

- 1/4" CMOS sensor
- Operates at 0.1 LUX
- 75° viewing angle

- IP67 water/debris-proof rating
- Simple connect vehicle-specific tailgate harness
- 3 year warranty





Integrated Driver Assistance for Mercedes Sprinter

Proprietary, factory-matched side mirror caps with built-in blind spot elimination cameras, activated by turn signal and integrated with the OE or aftermarket radio. Vehicle-specific integration module is plug-and-play, making installation seamless.



Key Features:

- Includes two side mirror caps with blind-spot cameras
- Vehicle-specific module integrates cameras into the Sprinter's OEM or aftermarket radio screen; cameras are activated when turn signals are used, or activate front and reverse cameras when the Sprinter is placed in reverse or put in drive.
- 3 year warranty

Kits include side mirror caps with cameras, camera switcher, all harnesses and integration module:

FCTP-MB1101 - 2014-2016 Mercedes Sprinter (with "radio-delete" option)

FCTP-MB1102 - 2014-2016 Mercedes Sprinter (replacing factory radio)

FCTP-MB1103 - 2014-2016 Mercedes Sprinter (with factory 5.8" display radio)

FCTP-MB1104 - 2014-2016 Mercedes Sprinter (with any video monitor or mirror with RCA video input)

Mercedes Benz Sprinter

PCAM-SBL-N

Third Brake Light Camera with Night Vision for Sprinter Vans



Dimensions D x W x H (mm/in)
90mm x 330mm x 51mm
3.5" x 13" x 2"

Harness Lengths
Video Extension:
10m/32ft

Key Features:

- 170° viewing angle
- IP67 water/debris-proof rating
- 3 year warranty
- 1/4" CMOS sensor
- Operates at 0 LUX

PIN	TYPE
1	POWER
2	GND
3	AUDIO
4	VIDEO



SOCKET (FEMALE PINS)



PLUG (MALE PINS)

PIN	TYPE
1	POWER
2	GND
3	AUDIO
4	VIDEO



FCTP-FT1601

Blind Spot Integrated Safety System

for 2016-2017 Ford Transit Equipped with Tow Mirrors and 4.2" Display



Proprietary, factory-matched side tow mirror caps with built-in blind spot elimination cameras, activated by turn signal and integrated with the OE radio. Vehicle-specific integration module is plug-and-play, making installation seamless.

3 year warranty.



Transit

FCTP-FT1602

Blind Spot Integrated Safety System

for 2016-2017 Ford Transit Equipped with Non-Tow Mirrors and 4.2" Display



Proprietary, factory-matched side non-tow mirror caps with built-in blind spot elimination cameras, activated by turn signal and integrated with the OE radio. Vehicle-specific integration module is plug-and-play, making installation seamless.

3 year warranty.



FCTP-FD1501

Blind Spot Integrated Safety System

for 2015-2017 Ford F-150 with 4.2" Screen



Proprietary, factory-matched side camera inserts with built-in blind spot elimination cameras, activated by turn signal and integrated with the OE radio. Vehicle-specific integration module is plug-and-play, making installation seamless.

Side mirror inserts are compatible with vehicles equipped for Ford 360 cameras (inserts have screw posts.)

3 year warranty.



F-150

FCTP-FD1504

Blind Spot Integrated Safety System

for 2015-2017 Ford F-150 Used for Radio Replacement or Mirror Interface



Proprietary, factory-matched side camera inserts with built-in blind spot elimination cameras, activated by turn signal and integrated with an aftermarket radio. Vehicle-specific integration module is plug-and-play, making installation seamless.

Side mirror inserts are compatible with vehicles equipped for Ford 360 cameras (inserts have screw posts.)

3 year warranty.



Dodge ProMaster

FCTP-DP1501

Blind Spot Elimination Kit

for RAM ProMaster, Left-Hand Drive, Universal Monitor



Includes two side mirror caps with blind-spot cameras. Vehicle-specific module integrates cameras into the OEM or aftermarket radio screen; cameras are activated when turn signals are used.

Module is plug-and-play, making installation seamless.

Kit include side mirror caps with cameras, camera switcher, all harnesses and integration module. 3 year warranty.



FCTP-DP1502

Blind Spot Elimination Kit

for RAM ProMaster, Left-Hand Drive, OEM 5.8" Monitor



Includes two side mirror caps with blind-spot cameras. Vehicle-specific module integrates cameras into the OEM or aftermarket radio screen; cameras are activated when turn signals are used.

Module is plug-and-play, making installation seamless.

Kit include side mirror caps with cameras, camera switcher, all harnesses and integration module. 3 year warranty.



NV Van

PCAM-NV4-N

Third Brake Light Camera with Night Vision

for Nissan NV Van (2011-2017)



Key Features:

- 1/4" CMOS sensor
- Operates at 0 LUX
- 170° viewing angle

- IP67 water/debris-proof rating
- Parking lines (selectable)
- 3 year warranty



Dimensions D x W x H (mm/in)
83mm x 215mm x 74mm
3.3" x 8.5" x 2.9"

Harness Lengths
Video Extension: 10m/32ft

PIN	TYPE
1	POWER
2	GND
3	AUDIO
4	VIDEO



PIN	TYPE
1	POWER
2	GND
3	AUDIO
4	VIDEO



NVK3R - Camera + Monitor Kit: PCAM-NV4 & PMM-35-PL



NVK4R - Camera + Monitor Kit: PCAM-NV4 & PMM-4322-COM-PL



NVK5E - Camera + Monitor Kit PCAM-NV4 & PMON-50-FM

MONITORS

Extend your view

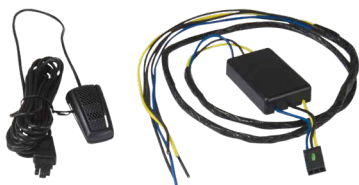
Replacement rearview mirrors, dash, flush, and windshield mount monitors complete any camera solution



Accessories

PMA-MICR

Microphone Relocation Kit for Sync, U-Connect, OnStar and Toyota.



PMA-GLUE

Rearview Mirror Adhesive.



DMB-1

Monitor Dash Mount Bracket.



PMM-HD-BRK

Honda Adaptor for Rearview Mirror [use with PMM- range].



PMM-SA-BRK

Sprinter Mirror Mount Arm for PMON-50-FM and PMON-43.



PMM-SM-BRK

Sprinter Mirror Button Adaptor (metal) [use with PMM- range].



PMM-35-PL

3.5" Factory Mount Mirror Monitor with Adjustable Parking Lines



Resolution: 480 x 272

Key Features:

- Dual video inputs
- Reverse trigger input
- Adjustable parking lines

- Remote control included
- Auto-dimming display
- 3 year warranty



PMM-35-DPL

3.5" Factory Mount Mirror Monitor with Dynamic Parking Lines



Resolution: 480 x 272

Key Features:

- Dual video inputs
- Reverse trigger input
- Adjustable parking lines

- Remote control included
- Auto-dimming display
- Manual mirror dimming
- Universal mounting
- 3 year warranty



PMM-35-ADPL

3.5" Factory Mount Mirror Monitor with Auto-Dimming Mirror and Dynamic Parking Lines



Resolution: 480 x 272

Key Features:

- Dual video inputs
- Reverse trigger input
- Adjustable parking lines

- Remote control included
- Auto-dimming display
- OEM style mirror dimming
- Universal mounting
- 3 year warranty



PMM-43-PL

4.3" Factory Mount Mirror Monitor with Adjustable Parking Lines



Resolution: 480 x 272

Key Features:

- Dual video inputs
- Reverse trigger input
- Adjustable parking lines

- Remote control included
- Auto-dimming display
- Universal mounting
- 3 year warranty



PMM-43-ADPL

4.3" Factory Mount Mirror Monitor with Auto-Dimming Mirror and Adjustable Parking Lines



Resolution: 480 x 272

Key Features:

- Dual video inputs
- Reverse trigger input
- Adjustable parking lines
- Remote control included
- Auto-dimming display
- OEM style mirror dimming
- Universal mounting
- 3 year warranty



PMM-4322-COM-PL

4.3" Factory Mount Commercial Mirror Monitor with Adjustable Parking Lines



Resolution: 480 x 272

Key Features:

- Heavy-duty construction for commercial use
- Dual video inputs
- Dual triggers
- Universal mounting
- Remote control included
- Auto-dimming display
- 3 year warranty



PMM-7333-PL

7.3" Factory Mount Mirror Monitor with 3 Video Inputs, 3 Triggers, and Adjustable Parking Lines



Resolution: 480 x 272

Key Features:

- 3 Video inputs
- 3 Individual triggers
- Adjustable parking lines
- Remote control included
- Auto-dimming display
- Universal mounting
- 3 year warranty



Brackets for MM-4320 // MM-4320-DVR // MM-4320-BT

MM-AV-BRK

Audi, VW Adaptor for Rearview Mirror [use with MM-4320 range].



MM-CD-BRK

Chrysler, Dodge, Jeep Adaptor for Rearview Mirror [use with MM-4320 range].



MM-HS-BRK

Honda Subaru Scion Adaptor for Rearview Mirror [use with MM-4320 range].





MM-4320

4.3" Factory Mount Mirror Monitor



Resolution: 480 x 272

Key Features:

- Factory replacement mirror
- Dual video sensing inputs
- Auto-dimming display



MM-4320-DVR

4.3" Factory Mount Mirror Monitor with Built-In DVR



Resolution: 480 x 272

Key Features:

- Factory replacement mirror
- Single video sensing inputs
- Auto-dimming display

- Built-in shock sensor
- Built-in forward looking camera with DVR



MM-4320-BT

4.3" Factory Mount Mirror Monitor with Built-In Bluetooth for Hands-Free Calling



Resolution: 480 x 272

Key Features:

- Factory replacement mirror
- Dual video sensing inputs
- Auto-dimming display

- Bluetooth enabled with built-in speaker
- Caller ID





PMM-43-CJD-ADPL

4.3" Mirror Monitor

for Chrysler, Dodge and Jeep with Auto-Dimming and Adjustable Parking Lines



Resolution: 800 x 272



Key Features:

- Dual video inputs
- Reverse trigger input
- Adjustable parking lines
- Remote control included
- Auto-dimming mirror
- OEM style mirror dimming
- 3 year warranty



PMM-43-CJD-PL

4.3" Mirror Monitor

for Chrysler, Dodge and Jeep with Adjustable Parking Lines



Resolution: 800 x 272

Key Features:

- Dual video inputs
- Reverse trigger input
- Adjustable parking lines
- Remote control included
- Auto-dimming display
- 3 year warranty



PMM-43-FTM-PL

4.3" Mirror Monitor

for Ford Twist Mount with Adjustable Parking Lines



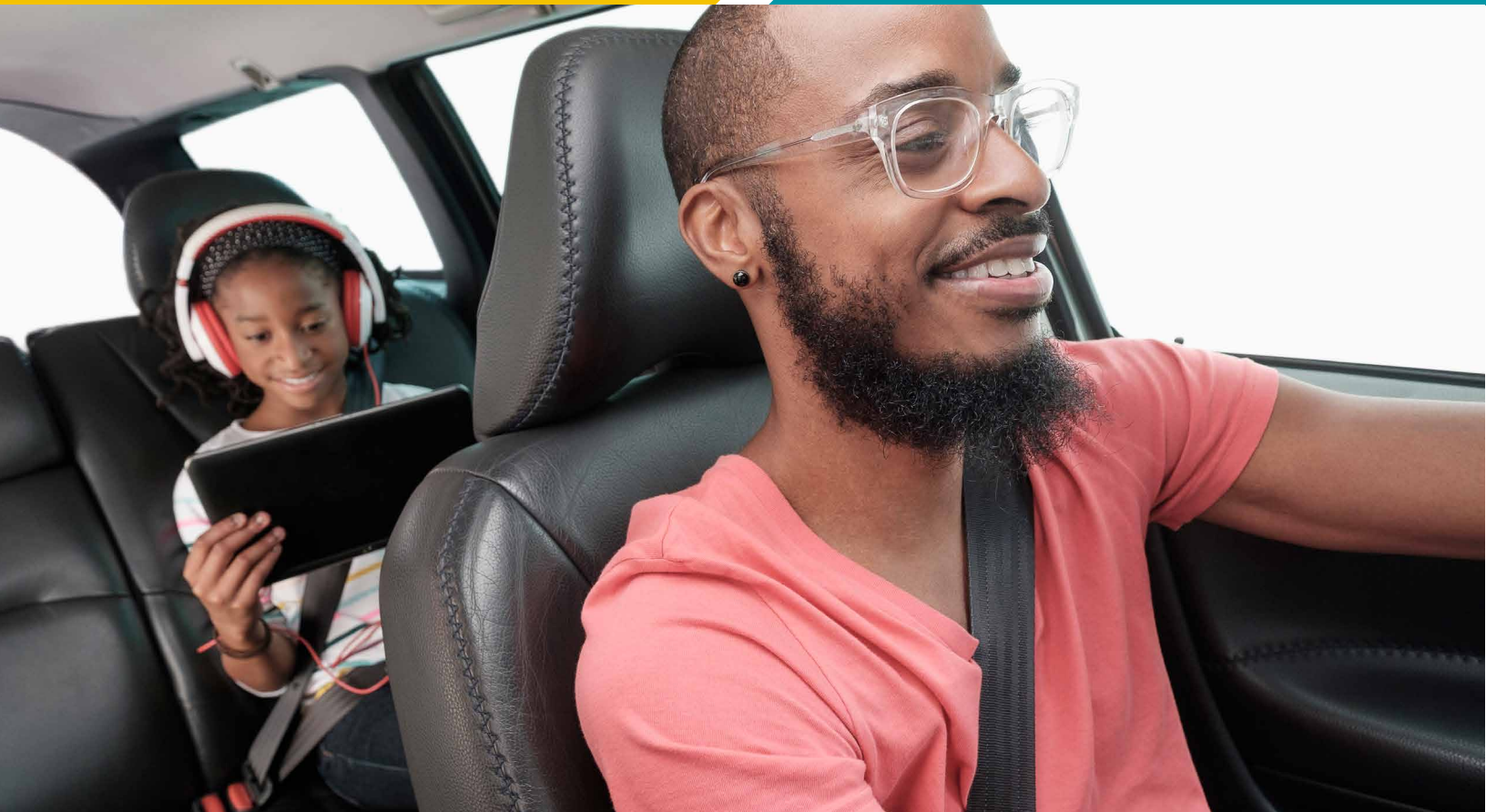
Resolution: 800 x 272



Key Features:

- Dual video inputs
- Reverse trigger input
- Adjustable parking lines
- Remote control included
- Auto-dimming display
- 3 year warranty





PMM-43-NV2-PL

4.3" Mirror Monitor

for NV200 and Chevy City Express with Adjustable Parking Lines



Resolution: 800 x 272

Key Features:

- Dual video inputs
- Reverse trigger input
- Adjustable parking lines

- Remote control included
- Auto-dimming display
- 3 year warranty



PMM-43-PMC-PL

4.3" Mirror Monitor

for Dodge Promaster City with Adjustable Parking Lines



Resolution: 800 x 272

Key Features:

- Dual video inputs
- Reverse trigger input
- Adjustable parking lines

- Remote control included
- Auto-dimming display
- 3 year warranty



PMON-50-FM

5" Flush Mount Dual Input Monitor



Resolution: 640 x 480

Key Features:

- 5" high resolution display
- Dual video inputs
- Auto shut-off if no signal
- Dual triggers for channel switching
- Sunshade included
- 3 year warranty



Dash Mount Monitors

PMON-43

4.3" Windshield Mount Dual Input Monitor



Resolution: 391 x 680

Key Features:

- 4.3" high resolution display
- Included windshield suction mount
- Dual video inputs
- Reverse trigger detect
- 3 year warranty



MON-50-DM

5" Dash Mount Slim TFT/LCD Monitor



Resolution: 800 x 480

Key Features:

- 5" high resolution display
- Reverse trigger wire
- Dual video inputs
- Auto shut-off if no signal
- Auto video detection
- Includes removable sunshade
- Includes suction cup mount



MON-7022

7" Dash Mount Dual Input Dual Trigger Monitor



Key Features:

- 7" high resolution display
- Dual video inputs
- Dual triggers

- Dash mount fan bracket included
- Remote control included
- 3 year warranty



MON-7044

7" Dash Mount Quad Input Monitor



Key Features:

- 7" high resolution display
- Quad video inputs

- 4 trigger wires for display switching
- Multiple split screen options
- 3 year warranty



Accessories for EchoMaster Monitors

PMA-PMINI

Mini power plug (used with PMM-4322-COM-PL, PMON-43, PMON-50-FM).



PMA-PL20-EXT

20m (65ft) waterproof, heavy-duty cable extension (used with PMM-4322-COM-PL, PMON-43, PMON-50-FM).



PMA-DMT

Dash mount arm for monitors (used with PMON-43, PMON-50-FM).



PMA-PL5-EXT

5m (16ft) waterproof, heavy-duty cable extension (used with PMM-4322-COM-PL, PMON-43, PMON-50-FM).



PMA-MMT

Permanent mirror mount arm for monitors (used with PMON-43, PMON-50-FM).



PMA-ADNOR

Converts DIN cable to RCA & power (use when adding an additional camera to PMM-4322-COM-PL, PMON-43, and PMON-50-FM).



Dash Cams

Drive // Record // Share



DC-27-G

2.7" Dash Cam with Motion Detection and GPS



Key Features:

- 2.7" 16:9 LED Screen
- 1080p high definition recording @30FPS
- Built-in G-Sensor
- Internal Microphone
- HDMI Output (cable not included)

*SD card not included (supports up to 32GB)



DC-27

2.7" Dash Cam with Motion Detection



Available for Special Order

Key Features:

- 2.7" 16:9 LED screen
- 1080p high definition recording @ 30FPS
- 8GB microSD card included
- Built-in G-sensor
- Internal microphone
- HDMI Output (cable not included)

*SD card not included (supports up to 32GB)



MM-4320-DVR

4.3" Factory Mount Mirror Monitor with Built-In DVR



Key Features:

- Factory replacement mirror
- Single video sensing inputs
- Auto-dimming display
- Built-in shock sensor
- Built-in forward looking camera with DVR



Create a toasty oasis for bone-chilling mornings with the **PHSK-2L Seat Heater Kit**



Quick Seat Heater System: A Universally Compatible Heating Solution

In the northern two-thirds of the United States, sweltering summers are balanced out by frigid winter temperatures. In cars, sufficient heating is absolutely essential for both comfort and safety during commutes.

Fast, Even Heating

Built with high-quality elements with silver conductive line technology, this system was engineered to provide stable, consistent heat, without the risk of overheating.

Durable, Built to Last

Constructed of high 1K carbon fiber mats, which are a full ten times longer than the filaments used in conventional seat heaters, making them incredibly durable and capable of holding up over years of frequent seasonal use. The yarns used to create the fabric are 100% interconnected, so the pads don't fall apart easily. Rigorous compression testing has proven their ability to withstand a lot more stress than they will realistically encounter during everyday use.

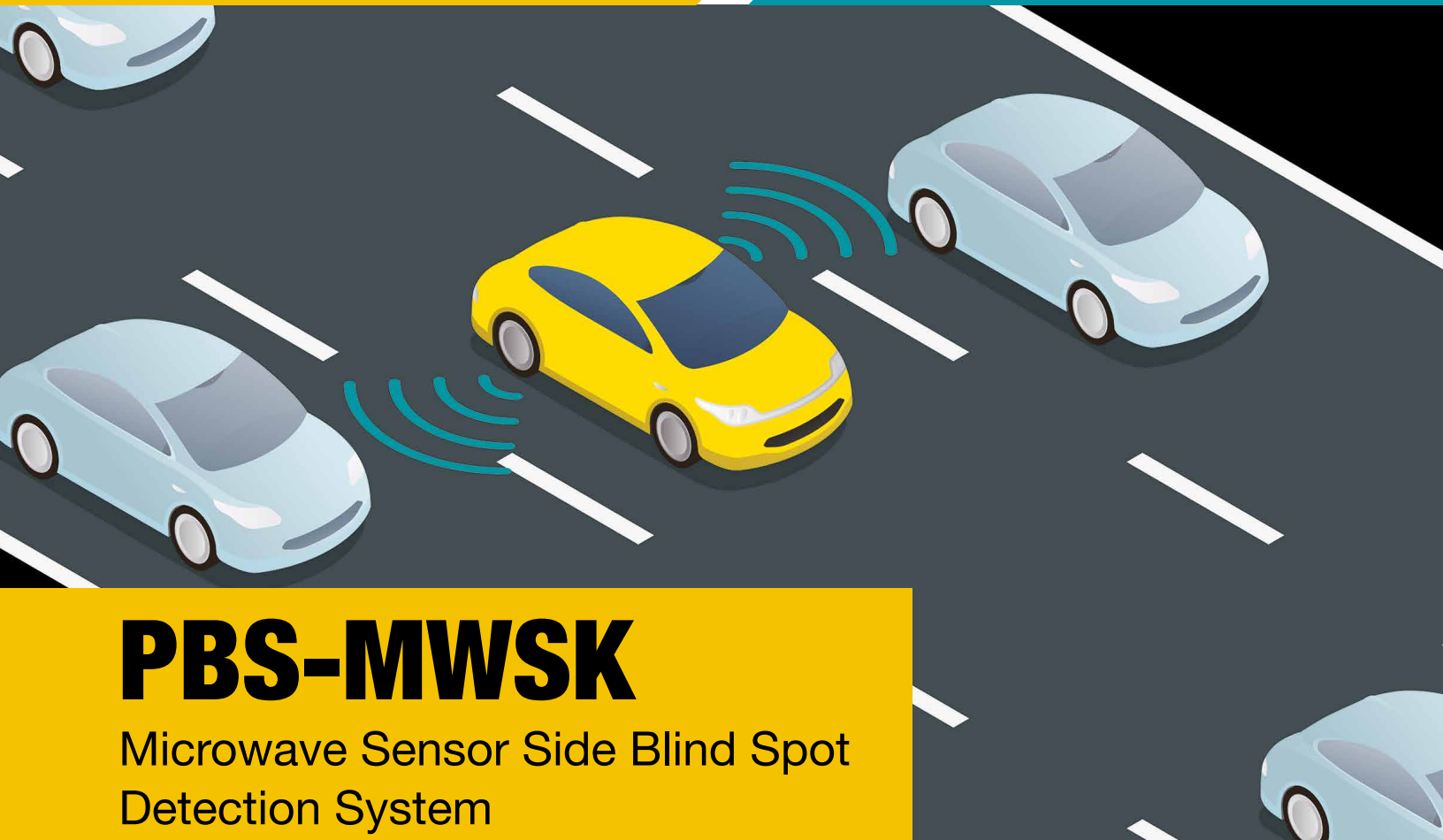
Full Control

Adjustable temperature settings and an on/off switch give the user control over their seat heating experience, letting each person adjust it according to their preferences.



SENSORS

Sophisticated driver
assistance for any situation


PRO

Extremely accurate 2.4GHz microwave sensing technology with an audible alert that is triggered by turn signals and a visual alert to make you aware of vehicles in your blind spot even when not indicating. The visual alert is located within the vehicle, easily seen within the line of sight of the side view mirrors.

Key Features:

- Detects vehicles in your blind spot up to a range of 15m/50 ft
- Accurate and responsive microwave sensors
- Simple installation, no drilling holes into the bumper
- Universal for cars and SUVs (not to be used with metal bumpers)
- Reliable in any weather condition
- 3 year warranty



ParkAlert

Enhanced Accuracy with Triangulation Technology

ParkAlert digital sensor system is a revolutionary advancement in obstacle detection. Triangulation technology, using the multi-sensor setup, calibrates obstacle detection for improved distance detection, reduced blind spots, and improved obstacle warning.

Accessories for the ParkAlert sensors



SP1029

Rubber Sensor Sleeves used with ParkAlert (PS-) sensor kits for metal bumper installation.



SP1022

Angle Gauge to select the proper angle sleeve in ParkAlert (PS-) sensor kits.



EMZ

Zinc Galvanizer to protect against oxidation (*used with metal bumper sensor installation*).



PA-DISPLAY

LED Display with Buzzer - Obstacle Distance and Visual Readout



Key Features:

- Multiple mounting options
- Volume control
- Distance displayed with color distance bar indicators
- 3 year warranty



Key Features of Front and Rear ParkAlert Sensor Kits:

- Front sensors detection range: 0 m/ft to 0.75 m/2.5 ft
- Rear sensors detection range: 0 m/0ft to 1.6 m/5.2 ft
- Volume control/Mute ability
- Plastic bumper-friendly
- Compatible with metal bumpers when used with rubber sleeves
- Paintable for a perfect match
- IP67 water/debris-proof rating
- Operating temp: -30°C to 80°C

You have the option to upgrade to a visual kit, which includes everything in the standard ParkAlert kits as well as PA-DISPLAY, which gives off both an audible and visual alert for object detection. Compatible with metal bumpers when used with optional rubber sleeves



Gloss Black



Matte Black



Gloss Silver



White

Color	Four Front Sensors (with speaker)	Four Rear Sensors (with speaker)	Four Front Sensors (with visual display)	Four Rear Sensors (with visual display)
Gloss Black	PS-FBP-B	PS-RBP-B	PS-FDIS-B	PS-RDIS-B
Matte Black	PS-FBP-M	PS-RBP-M	PS-FDIS-M	PS-RDIS-M
Gloss White	PS-FBP-W	PS-RBP-W	PS-FDIS-W	PS-RDIS-W
Gloss Silver	PS-FBP-S	PS-RBP-S	PS-FDIS-S	PS-RDIS-S

ParkAlert sensors include four sensors and everything needed to complete the installation, including a speaker for an audible alert.



Trucks

ParkAlert Digital Reverse Sensing System For Pick-Up Trucks includes Truck Programmed ECU Control Module, 4 Wide Angle Sensors with OE Connectors, Angle Sleeves, Speaker, Hole Saw, 18' Harness, and Hardware Kit. Compatible with metal bumpers when used with optional rubber sleeves

PS-TRUCK-M Matte Black



PS-TRUCK-S Silver



00-03000 HitchScan

Hitch Mount Wireless Rear Park Assist



Hitch mount wireless rear park assist with 3 sensors. Includes 12V plug-in receiver, HitchLock with 2 keys, 7-way power harness, and universal 2-pin power harness.

Key Features:

- Detection range: 2.1 m/7 ft
- IP67 water/debris-proof rating
- Display option: LED indicator

- Volume control
- Operating temp: -30°C to 80°C
- 3 year warranty



COMMERCIAL SAFETY

Commercial solutions by EchoMaster



AAMP Global has supplied the OEM and aftermarket sectors for over 20 years, providing tailored, innovative products and solutions. Leverage our extensive knowledge and expertise to develop a solution tailored to your business's needs. Our unique approach includes a comprehensive service package, which encompasses the following elements to add value and support the development of long-term customer partnerships.

MCK-70

7" Monitor and IR Camera Complete Kit



Key Features:

- 1/4" CCD night vision camera
- Dual video inputs

- High resolution 7" monitor
- Extension lead included



CAM-SM1-N

Commercial Side Mount Camera with Night Vision



Dimensions D x W x H (mm/in)
82mm x 37mm x 48mm
3.22" x 1.45" x 1.88"

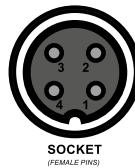
Key Features:

- 1/3" CCD sensor
- Operates at 0 LUX

Available for Special Order

- 90° viewing angle
- IP68 water/debris-proof rating

PIN	TYPE
1	POWER
2	GND
3	AUDIO
4	VIDEO



PIN	TYPE
1	POWER
2	GND
3	AUDIO
4	VIDEO



CAM-SMM1-N

Commercial Side Mount Camera with Night Vision (Mirrored Image)



Dimensions D x W x H (mm/in)
82mm x 37mm x 48mm
3.22" x 1.45" x 1.88"

Key Features:

- 1/3" CCD sensor
- Operates at 0 LUX

Available for Special Order

- IP68 water/debris-proof rating
- Mirrored image
- 90° viewing angle

PIN	TYPE
1	POWER
2	GND
3	AUDIO
4	VIDEO



PIN	TYPE
1	POWER
2	GND
3	AUDIO
4	VIDEO



RVC-W2

Wireless Camera and Receiver Kit



Key Features:

- 1/3" CCD sensor
- Operates at 0 LUX
- 2.4G digital wireless video transmission
- IR night vision illumination
- 120° viewing angle
- IP68 water/debris-proof rating
- Built-in low light LED



PCAM-IRF-N

Commercial Camera with Night Vision



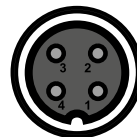
Dimensions D x W x H (mm/in)
68mm x 80mm x 61mm
2.7" x 3.1" x 2.4"

Key Features:

- 1/3" CCD sensor
- Operates at 0 LUX
- 120° viewing angle
- Built-in low light LED
- IP68 water/debris-proof rating
- Mirrored image
- Recommended GXE-10 Extension Harness
- 3 year warranty



PIN	TYPE
1	POWER
2	GND
3	AUDIO
4	VIDEO



SOCKET
(FEMALE PINS)



PLUG
(MALE PINS)

PIN	TYPE
1	POWER
2	GND
3	AUDIO
4	VIDEO



PCAM-IRC-N

Commercial Camera with Night Vision



Dimensions D x W x H (mm/in)
68mm x 80mm x 61mm
2.7" x 3.1" x 2.4"

Key Features:

- 1/4" CMOS sensor
- Operates at 0 LUX
- 120° viewing angle
- IP67 water/debris-proof rating
- Mirrored image
- Built-in low light LED

Available for Special Order



Select the perfect sized GX style extension lead that fits your vehicle's size:

GXE-6	6m / 20ft
GXE-10	10m / 33ft
GXE-15	15m / 49ft
GXE-20	20m / 66ft

CAM-D1-N

Interior Dome Camera with Tamper-Proof Cover

Available for Special Order



Key Features:

- 1/3" CCD sensor
- Operates at 0.01 LUX
- 150° viewing angle
- IP67 water/debris-proof rating
- Non-mirrored image



CAM-HCI-N

Commercial Camera with Night Vision and 20 Meter Extension Cable

Available for Special Order



Key Features:

- 1/4" CCD sensor
- Operates at 0 LUX
- 120° viewing angle
- IP69K water/debris-proof rating
- Mirrored/non-mirrored image (selectable)
- Built-in low light LED



CAM-10DW-N

Dual Mini Commercial Camera with Night Vision - White

Available for Special Order



Key Features:

- 1/4" CCD sensor
- Operates at 0.5 LUX
- 150° viewing angle
- IP68 water/debris-proof rating
- Mirrored image
- Built-in low light LED





CAM-10B-N

Mini Commercial Camera with Night Vision - Black

Available for Special Order



Key Features:

- 1/4" CCD sensor
- Operates at 0.5 LUX
- 150° viewing angle
- IP68 water/debris-proof rating
- Mirrored image
- Built-in low light LED



3rd Brake Light Mount

PCAM-15C-N

Third Brake Light Camera with Night Vision



Key Features:

- 1/4" CMOS sensor
- Operates at 0 LUX
- 170° viewing angle
- Built-in low light LED
- IP67 water/debris-proof rating
- Parking lines (selectable)
- Mirrored/non-mirrored image (selectable)
- 3 year warranty



PIN	TYPE
1	POWER
2	GND
3	AUDIO
4	VIDEO



SOCKET
(FEMALE PINS)



PLUG
(MALE PINS)

PIN	TYPE
1	POWER
2	GND
3	AUDIO
4	VIDEO

Dimensions D x W x H (mm/in)
50mm x 200mm x 58mm
2" x 7.9" x 2.3"

Harness Lengths
Video Extension: 10m/32ft; 48cm/19in



Roof Mount

PCAM-RM1-N

Roof Mounted Reverse Camera with Night Vision



Dimensions D x W x H (mm/in)
205mm x 129mm x 59mm
8" x 5" x 2.3"

Key Features:

- 1/4" CCD sensor
- Operates at 0 LUX
- Built-in low light LED
- IP67 water/debris-proof rating
- Mirrored image
- 120° viewing angle
- Recommended GXE-10 Extension Harness
- 3 year warranty



PIN	TYPE
1	POWER
2	GND
3	AUDIO
4	VIDEO



SOCKET
(FEMALE PINS)



PLUG
(MALE PINS)

PIN	TYPE
1	POWER
2	GND
3	AUDIO
4	VIDEO



PROTECT YOUR FLEET

Commercial Solutions by EchoMaster

Truly Customized

Planning is everything, and our team begins with your requirements, planning together with you to create bespoke solutions that fulfill and exceed needs. Quality is utmost, and we understand that off-the-shelf is rarely an option, so we create solutions to your exact requirements.

Research and Development

To be a pioneer, you have to keep pushing boundaries and moving forward. EchoMaster products undergo a rigorous program of research and development activities to ensure that we always offer future technologies, today. Our research and development team can work with your project team to ensure that we create the perfect solution to any requirement.

Project Management

Working together with you, our team produces individual management programs to enable achievement of key milestones. This reduces time to market and increases resource control to ensure projects are completed within scope to the highest quality, on time, and on budget.

Quality Control

Rigorous quality management systems ensure that manufacturing is to the highest specification.



AAMP Global has supplied the OEM and aftermarket sectors for over 20 years, providing tailored, innovative products and solutions. Leverage our extensive knowledge and expertise to develop a solution tailored to your business's needs. Our unique approach includes a comprehensive service package, which encompasses the following elements to add value & support the development of long-term customer partnerships.



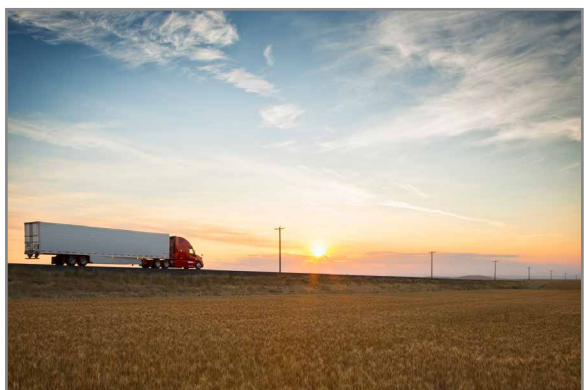
Custom or off-the-shelf solutions that keep your team and assets protected

Leverage our extensive knowledge and expertise to develop a solution tailored to your business needs. Our unique approach includes a comprehensive service package, which encompasses the following elements to add value and also support the development of long-term customer partnerships.



Commercial camera solutions

Adding a video witness to your fleet of vehicles increases your protection and reduces your risk. Public transport passenger monitoring, theft deterrent/protection, and police force detainee monitoring are just a few ways public and private fleets have used EchoMaster solutions. EchoMaster commercial cameras offer that extra protection every fleet owner and manager needs. Interior and exterior camera solutions available.



Speak with your AAMP sales representative to learn more about our customized solutions for fleet managers. Don't have a representative? Contact sales@aampglobal.com

DVR

Your video witness



DVR-50s

The EchoMaster Commercial DVR system is flexible and customizable, but also extremely simple to install. With one HD camera input, and inputs for 4 additional cameras, it offers a variety of possibilities. Choose from any of EchoMaster's commercial cameras to tailor the solution to your needs. EchoMaster has four different cable lengths to choose from, so whether you are running the length of a full passenger bus, or a pickup truck, you can choose the setup that is a perfect fit for your vehicle. The tamper-proof and easily concealable DVR box allows you to add a video witness, without risk.

Example customers include:



City bus

Using the EchoMaster interior dome camera enables passenger monitoring.



Police squads

Increase officer safety.

DVR-50-AHD

5-Channel Dual SD Card DVR with HD Input



Key Features:

- 8 trigger inputs with optional DVR-50-TH-CAB
- Pre-recording time of up to 60 minutes
- Post recording time of up to 30 minutes
- Dual SD card slots (up to 256GB each)
- Optional speed detection input using DVR-50-TH-CAB
- AHD compatible

Available for Special Order

DVR-50-G-AHD

5-Channel Dual SD card DVR with HD input and GPS



Key Features:

- 8 Trigger inputs with optional DVR-50-TH-CAB
- Pre-recording time of up to 60 minutes
- Post-recording time of up to 30 minutes
- Dual SD card slots (up to 256GB each)
- Optional speed detection input using DVR-50-TH-CAB
- GPS data for geolocating
- AHD compatible

Available for Special Order



DVR Accessories

Compatible with the DVR-50 range.

DVR-50-TH-CAB

IO trigger harness for DVR50.

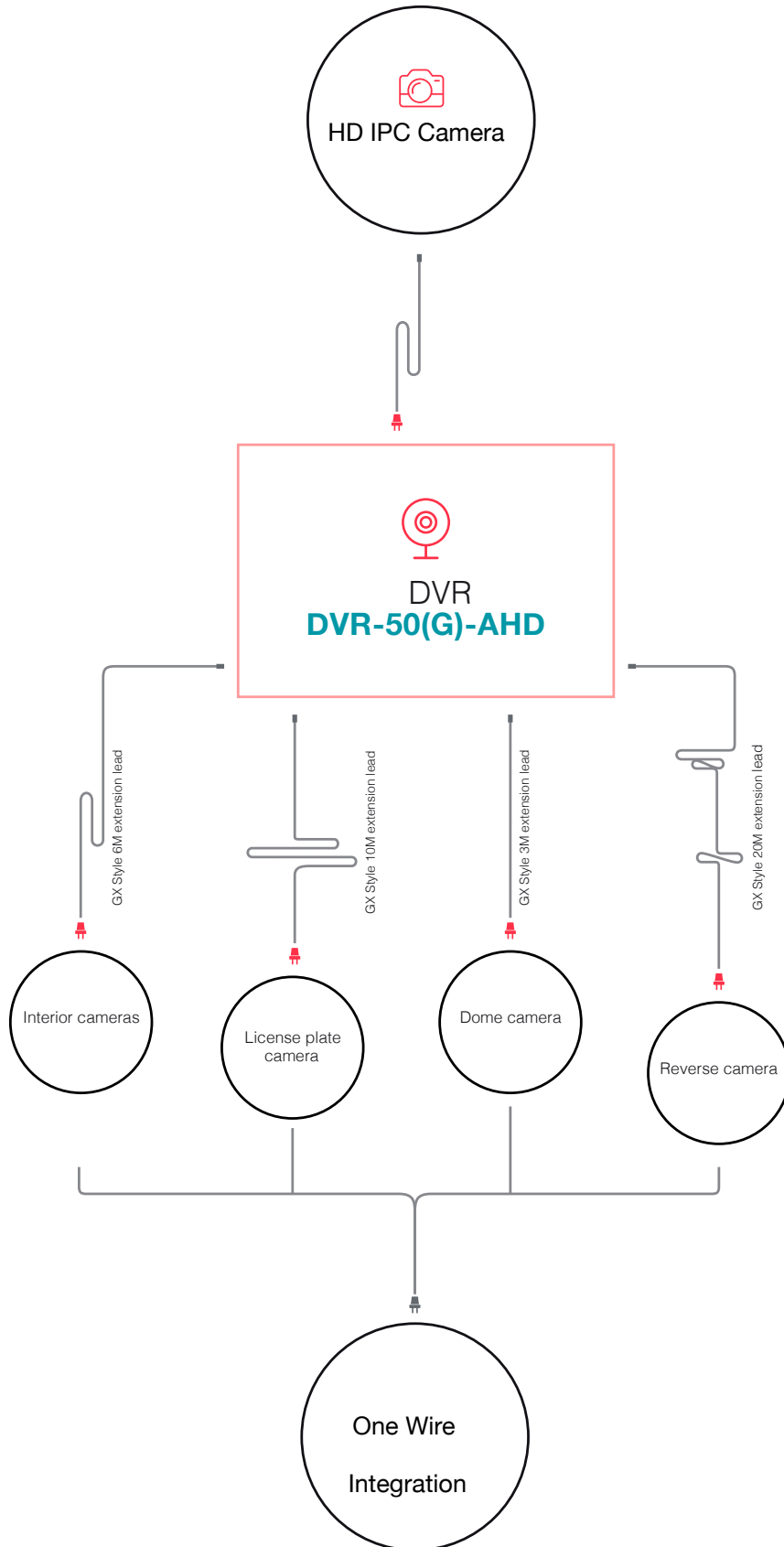


MSD-128

128GB Class 10 Micro SD card.



DVR-50(G) Easily Fits Any Size or Shape Vehicle Simple One Wire Vehicle Integration



Displays Help Increase Your Safety Sales

Move your customers through the path to purchase with powerful in-store marketing solutions. Our simple, yet effective, interactive retail solutions includes everything you need to transform your space and showcase your expertise in safety. In-store solution includes header, shelf talkers, working countertop upsell display, working wall display, and more.

Customizable Planograms



Working Counter Display



Interactive Wall Panel




ECHOMASTER

Why not get in touch?

Within the US


 +00 1 800-477-2267

 sales@aampglobal.com
support@aampglobal.com


 EchoMaster.com
[Facebook.com/
EchoMasterProducts](https://www.facebook.com/EchoMasterProducts)

 15500 Lightwave Dr.
Clearwater, FL 33760

Outside of the US

 UK/Europe Sales - +44 (0) 1420 487110
Nordic Sales +46 (0)31 44 44 12

 UK/Europe Sales - sales.eu@aampglobal.com
Nordic Sales - info@aamp.se

 UK/Europe Technical Support - technical.eu@aampglobal.com
Nordic Technical Support - support@aamp.se