

ECHOMASTER

BY ROSEN 

Summer 2014

www.echomaster.com

ECHOMASTER

BY ROSEN

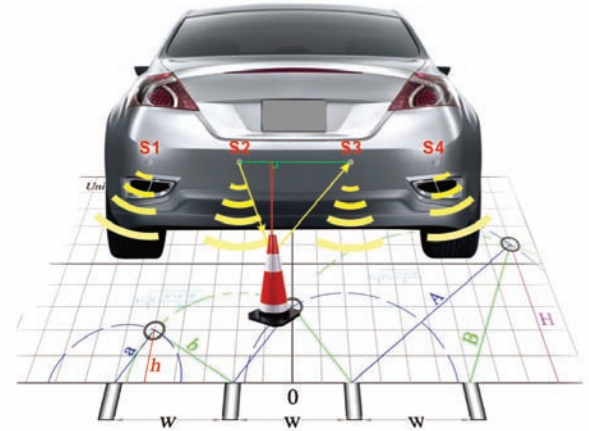
Welcome to the "new" EchoMaster, the aftermarket leader in parking sensors and other safety related products. Rosen Electronics purchased the assets of EchoMaster in December, 2013 and consolidated operations at Rosen's facility located in Corona, California. The acquisition of EchoMaster was an important strategic step for Rosen as the company continues to broaden its presence in automotive electronics. Rosen is committed to expanding the EchoMaster product line and offering the very best of automotive safety solutions. The combined customer base of these two companies have positively embraced this repositioning and Rosen is thankful for this great customer support! - TEAM ROSEN



PARKALERT

Digital Parking Sensors – NEW Coming July 2014

The "All-New" ParkAlert™ digital sensor systems are a revolutionary advancement in obstacle detection. Extensive research and development has gone into every aspect of this product to provide you with outstanding performance, installation ease and installer-friendly dip switches to customize the detection capabilities when needed. All systems, rear and front, utilize 4 low-profile, quick-connect sensors that snap into the single 8.5' wire-loom protected harness and connect to the electronic control module via a single OE style locking connector. 3 sensor angle adaptors are included (3°, 6°, 12°) along with drill template and precision hole saw. Front sensor systems utilize vehicle speed detection for auto-on at low speeds (<5mph). The matte black finished sensors can be quickly disassembled and easily painted to match the vehicle. Silver and White sensors are also available.



TRIANGULATION TECHNOLOGY

Calibrates obstacles using multiple sensors for...

- Improved distance detection
- Eliminates dead zones
- Improved obstacle warning



Low-Profile Sensors



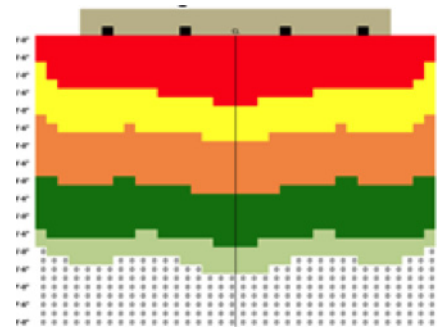
Locking Sensor Connectors



Main Harness w/ Wire Loom Protection



ECM w/ Single Locking Connector & 5 Dip Switches For Optional Sensor Patterns & Zones



SUPERIOR DETECTION COVERAGE

- Full coverage throughout the pattern range with no dead zones (Actual test results above)
- Audible alerts vary by zone
- 5 zones when using the optional LED display with buzzer

ParkAlert™ PARKING SENSOR SYSTEMS

REAR SENSORS

Matte Black Sensor System	SK-RPSB-M
Silver Sensor System	SK-RPSB-S
White Sensor System	SK-RPSB-W

FRONT SENSORS

Matte Black Sensor System	SK-FPSB-M
Silver Sensor System	SK-FPSB-S
White Sensor System	SK-FPSB-W

TRUCK INSTALLATION KIT

Includes 18' main harness, rubber sensor sleeves, metal hole saw, galvanizer, under bumper brackets.

PA-TRUCK



Compact Audible Beeper



Precision Hole Saw



Optional LED Display w/ Multiple Alert Zones & Distance
P/N: PA-DISPLAY

Dead Zone	Fast Tone	Slow Tone
Constant Tone	Mid Tone	Visual Warning

PRO SERIES: BACK-UP NAVIGATOR 4 SENSOR SYSTEM

● EMPV4-B (BLACK) ● EMPV4-S (SILVER) ● EMPV4-W (WHITE) ● EMPV4-P (PRIMER)



- 4 wide angle sensors (120°H 60°V) (20ft cable)
- 4 sensor ECU: 7ft detection, optional 6ft or 3ft outside sensors
- 8 pairs of round flush mount angle sleeves for universal application (28mm hole)
- Speaker with Hi/Low/Off settings, (10ft cable), Power Harness (10ft cable)
- Designed to fit all plastic and metal bumpers

PRO SERIES: FRONT NAVIGATOR 4 SENSOR SYSTEM

● EMFN4-B (BLACK) ● EMFN4-S (SILVER) ● EMFN4-W (WHITE) ● EMFN4-P (PRIMER)



- 4 wide angle sensors (120°H 60°V) (20ft cable)
- 4 sensor ECU: 2ft detection, optional 2ft or 1-1/2ft outside sensors
- 6 pairs of round flush mount angle sleeves for universal application (28mm hole)
- Speaker with Hi/Low/Off settings, (10ft cable), Power Harness (10ft cable)
- Designed to fit all plastic and metal bumpers

PRO SERIES: BACK-UP NAVIGATOR 2 SENSOR SYSTEM

● #EMPV7-B (BLACK) ● #EMPV7-S (SILVER) ● #EMPV7-W (WHITE) ● #EMPV7-P (PRIMER)



- 2 wide angle sensors (120°H 60°V) [20ft cable]
- Up to 4 sensor ECU: 7ft detection, optional 6ft or 3ft outside sensors
- 4 pairs of round flush mount angle sleeves for universal application [28mm hole]
- Speaker with Hi/Low/Off settings [10ft cable], Power Harness [10ft cable]
- Designed for all plastic and metal bumpers
- Optional: 2 Extra Sensors (EMSP7)

PRO SERIES: FRONT NAVIGATOR 2 SENSOR SYSTEM

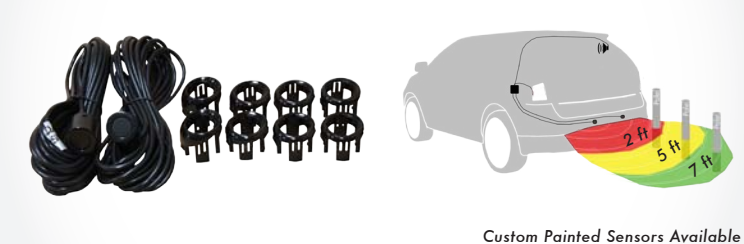
● EMFN-B (BLACK) ● EMFN-S (SILVER) ● EMFN-W (WHITE) ● EMFN-P (PRIMER)



- 2 wide angle sensors (120°H 60°V) [20ft cable]
- Up to 4 sensor ECU: 2ft detection, optional 2ft or 11/2 ft outside sensors
- 1 pair of round flush mount angle sleeves for universal application [28mm hole]
- Speaker with Hi/Low settings & Dash Mount On/Off Switch [both 6ft cables]
- Designed for all plastic and metal bumpers
- Optional: 2 Extra Sensors (EMSP7)

PRO SERIES: 2 EXTRA SENSORS

● EMSP7-B (BLACK) ● EMSP7-S (SILVER) ● EMSP7-W (WHITE) ● EMSP7-P (PRIMER)



Custom Painted Sensors Available

- Extra sensors for Pro Series EMPV7 and EMFN Systems

HITCHSCAN: WIRELESS TRAILER HITCH SYSTEM

00-03000



Designed and Patented in USA #7341264

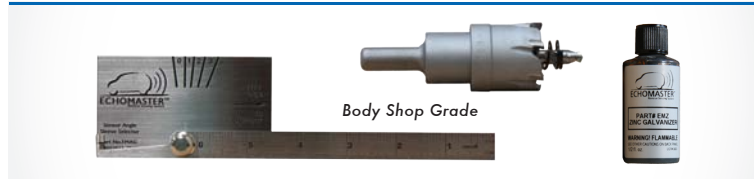
- Wireless Rear Park Assist with built-in Support Step [rated for 250 lbs]
- 3 built-in Sensors: 7ft detection
- Hitch Mounted Unit fits 2 inch & 1-1/4 inch receiver
- Includes a 2 inch & 1-1/4 inch locking pin with 2 keys
- Receiver has built-in LED light and the speaker plugs into 12-volt power supply
- Universal 2 pin hardwire installation kit included for vehicle without a 7 way

Add a Factory Connect or Mirror/Camera Combo to Parking Sensor Installations for the Ultimate Safety Package

Parking Sensor Accessories & Tools

PRO SERIES: INSTALLATION KIT

#EMIKIT



Body Shop Grade

- Includes hole saw, Angle Gauge, and Zinc for Pro Series EMPV7 and EMFN Systems

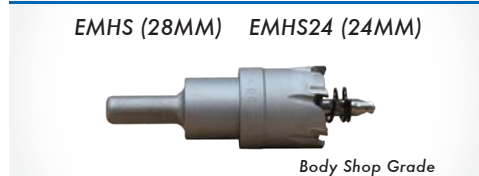
COLOR MATCH PAINT PROGRAM



Exclusive in-house
5-Step Factory Paint Program. Many stock paint colors in stock. Allow 2-3 days for in stock colors and 5 days for custom ordered colors.

CARBIDE HOLE SAW

EMHS (28MM) EMHS24 (24MM)



Body Shop Grade

- Carbide hole saw for both plastic and metal bumpers

ANGLE GAUGE

EMAG



- Angle Gauge to select the proper angle sleeve

ZINC GALVANIZER

EMZ



- Zinc Galvanizer to protect against oxidation

L' BRACKETS (SET OF 2)

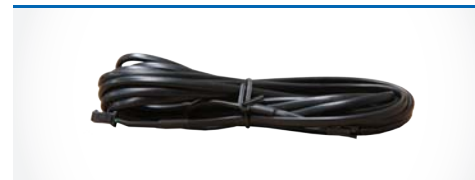
EMBRKT



- Black L' Brackets with pre-drilled sensor holes [28mm]

SPEAKER EXTENSION

EMSPKREXT



- Speaker Extension Cable [13ft]

Factory Connect Systems

ACURA



ILX: 2012-14

FC-CIVIC

BUICK



LACROSSE: 2012-13*
REGAL: 2012-13*
VERANO: 2012-13*

FC-GM1CAM

LACROSSE: 2014*
REGAL: 2014*

FC-CUE

*Fits 8" MyLink or IntelliLink Screens Only

CADILLAC



ATS: 2013-14*
CTS: 2014*
SRX: 2013-14*
XTS: 2013-14*

FC-CUE

* Fits Cadillac CUE Screen Only

CHEVROLET



CAMARO: 2013-14*

FC-GM1CAM+
DBP-GM1CAMAROT

CRUZE: 2013-14*
EQUINOX: 2011-14*
VOLT: 2013-14*

FC-GM1CAM

IMPALA: 2014*

FC-CUE

MALIBU: 2013-14*

FC-GM1CAM+
DBP-GMMALIBUT

SILVERADO: 2014*
SUBURBAN: 2014*
TAHOE: 2015*

FC-CUE2

SILVERADO: 2014**
SUBURBAN: 2015**
TAHOE: 2015**

FC-CUE3

*Fits 8" MyLink or IntelliLink Screens Only
**Fits 4.2" Screens Only

CHRYSLER



300/300C: 2012-14*

FC-CJ300

TOWN & COUNTRY: 2009-14**

FC-CJDR

*Fits 8.4" Screens Only
**Fits MyGig

Add a Back-Up Camera Directly to the Factory Multimedia Screen



RED = NEW Product

DODGE



Dealer Programming May Be Required

CHARGER: 2011-14* FC-CJ300
JOURNEY: 2011-14*

DURANGO: 2014*** FC-GCH

DURANGO: 2014*** FC-GCH-2

GRAND CARAVAN: 2009-14* FC-CJDR
NITRO: 2009-14*

PROMASTER: 2014**** FC-PROM

PROMASTER: 2014**** FC-PROM-2

RAM: 2014**** FC-DRAM

*Fits 8.4" Screens

**Fits MyGig

***Fits 4.3", 5" & 8.4" Screens

****Fits 5" & 8.4" Screens

FORD



Camera Not Included with FC-MYFT

C-MAX: 2013-14* FC-MYFT

EDGE: 2011-14*

ESCAPE: 2013-14*

TAURUS: 2013-14*

ECONOLINE: 2014*

FLEX: 2013-14*

EXPLORER: 2011-14* FC-MYFT2

FIESTA: 2014*

FOCUS: 2011-14*

FUSION: 2013-14*

F-SERIES: 2013-14* FC-FSER

*Fits 8" MyFord Touch Screen Only

GMC



TERRAIN: 2011-14* FC-GM1CAM

SIERRA: 2014* FC-CUE2

YUKON: 2014*

SIERRA: 2014** FC-CUE3

YUKON: 2015**

*Fits 8" MyLink or IntelliLink Screens Only

**Fits 4.2" Screens Only

HONDA



CIVIC: 2012-13 FC-CIVIC

ODYSSEY EX: 2011-12* FC-ODYS

*Fits 8" Screens

HYUNDAI



VELOSTER: 2011-14* FC-VELOS

SONATA: 2011-14* FC-SONA

*Fits LCD Display Screens

JEEP



Dealer Programming May Be Required

COMPASS: 2009-14** FC-CJDR

GRAND CHEROKEE: 2009-14**

LIBERTY: 2009-14**

PATRIOT: 2009-14**

WRANGLER: 2009-14**

GRAND CHEROKEE: 2014*** FC-GCH

GRAND CHEROKEE: 2014*** FC-GCH-2

**Fits MyGig

***Fits 4.3", 5" & 8.4 Screens

LINCOLN



Camera Not Included with FC-MYFT

MKS: 2013-14* FC-MYFT

MKT: 2013-14*

MKX: 2012-14*

MKZ: 2013-14* FC-MYFT2

*Fits 8" MyFord Touch Screens Only

MAZDA



3 SEDAN: 2013 FC-MAZ3

3 WAGON: 2013

6 SEDAN: 2013 FC-MAZX

CX-5: 2013-14

CX-7: 2012

CX-9: 2013-14

SCION



FR-S: 2013-14* FC-TOYO

XB: 2013*

iQ: 2013-14*

TC: 2013-14*

xB: 2013-14*

xD: 2013-14*

*Fits Touch-Screen Display Radios Only

SUBARU



BRZ: 2013-14 FC-TOYO

LEGACY: 2013-14* FC-SUBA

OUTBACK: 2013-14*

*Fits 7" Touch-Screen Display Radios Only

TOYOTA



4 RUNNER: 2012-13 FC-TOYO

AVALON: 2013-14

COROLLA: 2012-13

PRIUS GEN 3: 2012-14

PRIUS C: 2012-14

PRIUS V: 2012-14

RAV4: 2012-13

VENZA: 2012-14

CAMRY: 2014.5 FC-TOYO2

COROLLA: 2014

HIGHLANDER: 2014

RAV4: 2014

SEQUOIA: 2012-13 FC-TSAS

SIENNA: 2012-13

TACOMA: 2014 FC-TAC14

TACOMA: 2012-13 FC-TTAC

TUNDRA: 2012-13 FC-TTUN

VOLKSWAGEN



Dealer Programming Required

CC: 2009-14* FC-VOLKS

GTI: 2009-14*

GOLF: 2009-14*

JETTA: 2009-14*

PASSAT: 2009-14*

TIGUAN: 2009-14*

*Fits RNS315 (5" LCD) and RNS510 (7" LCD) Equipped Vehicles

Add a Front and/or Rear Parking Sensor System to Factory Connect Installation for the Ultimate Safety Package

Rearview Mirror Monitors

3.5" REAR CAMERA DISPLAY

VM-35R & VM-35R-AD



- VM-35R: 3.5" RCD Screen
- VM-35R-AD: 3.5" RCD Screen with OEM-Grade Auto Dimming - **NEW**
- Screen Size: 3.5 inch, Ratio: 4:3,
- Video Inputs: 2, Cable Length: 2.5M (8ft)
- Dimensions: 100(H) / 270(W) / 36(D) mm
- Available with vehicle specific mounts: Honda, Kia, Volkswagen



4.3" REAR CAMERA DISPLAY

VM-43M & VM-43M-AD



- VM-43M: 4.3" RCD Screen
- VM-43M-AD: 4.3" RCD Screen with OEM-Grade Auto Dimming - **NEW**
- Screen Size: 4.3 inch, Ratio: 4:3,
- Video Inputs: 2, Cable Length: 2.5M (8ft)
- Dimensions: 100(H) / 270(W) / 36(D) mm



4.3" REAR CAMERA DISPLAY (TWIST MOUNT)

VM-43M-CJD &
VM-43M-CJD-AD



- Chrysler/Jeep/Dodge Twist Mount Mirror
- VM-43M-CJD: 4.3" RCD Screen
- VM-43M-CJD-AD: 4.3" RCD Screen with OEM-Grade Auto Dimming - **NEW**
- Screen Size: 4.3 inch, Ratio: 4:3,
- Video Inputs: 2, Cable Length: 2.5M (8ft)
- Dimensions: 100(H) / 270(W) / 36(D) mm



MULTI-3.5" REAR CAMERA DISPLAY - **NEW**

VM-335R



- Screen Size: (3) 3.5" RCD Screens, Ratio: 4:3
- Video Inputs: 3, Cable Length: 2.5M (8ft)
- Dimensions: 100(H) / 270(W) / 36(D) mm



4.3" DVR REAR CAMERA DISPLAY

VM-43DVR



- Records in 720P & 480P, supports 32GB (Max) SD Card
- Adjustable Camera, Auto Screen Brightness, PIP Option
- Video Format: MOV
- Screen Size: 4.3", Ratio: 16:9
- Video Inputs: 1, Cable Length: 2.5M (8ft)
- Dimensions: 85(H) / 267(W) / 37(D) mm



4.3" REAR CAMERA DISPLAY (TWIST MOUNT) - **NEW**

VM-43M-FTM



- Ford Twist Mount Mirror
- Allows For Retention Of Rain Sensor Cover
- VM-43M-FTM: 4.3" RCD Screen
- Screen Size: 4.3 inch, Ratio: 4:3
- Video Inputs: 2, Cable Length: 2.5M (8ft)
- Dimensions: 100(H) / 270(W) / 36(D) mm



Commercial Mirrors & Monitors

4.3" REAR CAMERA DISPLAY

VM-43R



- Heavy Duty Commercial Grade Mirror
- Screen Size: 4.3 inch, Ratio: 16:9,
- Video Inputs: 2, Cable Length: 7M (21ft)
- Dimensions: 91(H) / 276(W) / 30(D) mm



5" LCD MONITOR

VM-50E



- Dash or headliner mount
- Screen Size: 5 inch, Ratio: 4:3,
- Video Inputs: 2, Cable Length: 5M (16ft)
- Dim: 100(H) / 127(W) / 36(D) mm



4.3" LCD MONITOR

VM-43C



- Glass mount
- Screen Size: 4.3 inch, Ratio: 4:3,
- Video Inputs: 2, Cable Length: 5M (16ft)
- Dim: 91(H) / 276(W) / 30(D) mm



Mirror & Monitor Accessories

MICROPHONE RELOCATION KIT

VM-MICR



- Mic for Sync, U-connect, OnStar, & Toyota
- Dimensions: 21(H) / 12(W) / 43(D) mm



SIDE CAMERA ACTIVATION MOD

VM-TSM1



- The module converts 12-volt pulse to constant for Side Camera Activation

MONITOR MIRROR MOUNT

VM-MMT



- Permanent mirror mount for monitors (VM-50E, VM-43C)

MONITOR GLASS MOUNT

VM-GMT



- Glass mount for monitors (VM-50E, VM-43C)

MONITOR DASH MOUNT

VM-DMT



- Dash mount for monitors (VM-50E, VM-43C)

SPRINTER ARM ADAPTOR

VM-SAADAPT



- Sprinter adaptor for monitors (VM-50E, VM-43C)

SPRINTER ARM ADAPTOR

VM-SPADAPT



- Sprinter adaptor for mirrors (VM-43R)

SPRINTER BUTTON ADAPTOR

VM-SMADAPT



- Sprinter mirror button adaptor for universal mirrors

HONDA ADAPTOR

VM-HDADAPT



- Honda adaptor for rear view mirrors

REPLACEMENT CABLES

VM-PL5M (16FT) VM-PL7M (21FT)
VM-PL10M (30FT)



- Waterproof heavy duty cables

EXTENSION CABLES

VM-PL5-EXT (16FT) VM-PL20 (65FT)

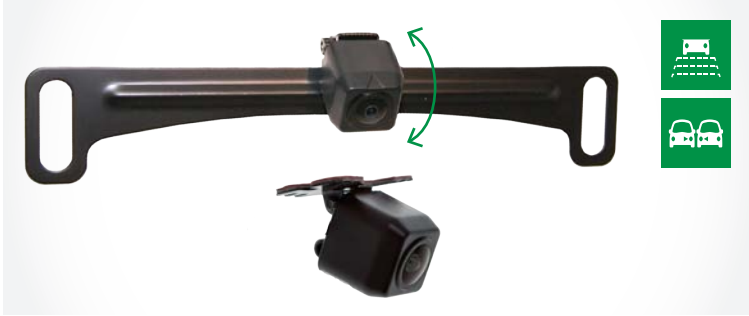


- Waterproof heavy duty extension cables

Universal Cameras

ADJUSTABLE LICENSE PLATE CAMERA

VM-10L



- Mounts behind license plate or on lip
- Programmable Parking Lines and Image Reverse
- 1/3 Color Camera, 170° diagonal, IP67
- Resolution: NTSC 628(H) x 512(V)
- Vibration Res: >5G, Op Temp: -30°C to +70°C
- Dimensions: 22(H) / 22(W) / 33(D) mm
- *Mounts behind license plate or use camera as lip mount



INFRARED LICENSE PLATE CAMERA

VM-10LI



- Infrared LEDs, mounts behind license plate or on lip
- Programmable Parking Lines and Image Reverse
- 1/4 Color Camera, 170° diagonal, IP67
- Resolution: NTSC 628(H) x 512(V)
- Vibration Res: >5G, Op Temp: -30°C to +70°C
- Dimensions: 20(H) / 32(W) / 30(D) mm
- *Mounts behind license plate or use camera as lip mount



LIP OR TRUCK MOUNT CAMERA

VM-110



18.5mm Hole saw Included

- Mounts in lip, tailgate handles, and van doors, 18.5mm hole
- Programmable Parking Lines and Image Flip
- 1/3 Color Camera, 170° diagonal, IP67
- Resolution: NTSC 510(H) x 492(V)
- Vibration Res: >5G, Op Temp: -30°C to +70°C
- Dimensions: 34(H) / 34(W) / 28(D) mm



MINI LIP MOUNT CAMERA

VM-201



19mm Hole saw Included

- Snaps into an 19mm hole
- Programmable Parking Lines and Image Reverse
- 1/3 Color Camera, 170° diagonal, IP67
- Resolution: NTSC 648(H) x 488(V)
- Vibration Res: >5G, Op Temp: -30°C to +70°C
- Dimensions: 30(H) / 31(W) / 31(D) mm
- Hole Size: 18.5mm



LIP MOUNT CAMERA

VM-150



- Fastens with 2 screws into lip, includes angle wedge
- Programmable Parking Lines and Image Reverse
- 1/3 Color Camera, 150° diagonal, IP67
- Resolution: NTSC 628(H) x 512(V)
- Vibration Res: >5G, Op Temp: -30°C to +70°C
- Dimensions: 25(H) / 50(W) / 28(D) mm



BULLET MOUNT CAMERA

VM-220



18.5mm Hole saw Included

- Snaps into an 18.5mm hole
- Programmable Parking Lines and Image Reverse
- 1/3 Color Camera, 170° diagonal, IP68
- Resolution: NTSC 648(H) x 488(V)
- Vibration Res: >5G, Op Temp: -30°C to +70°C
- Dimensions: 19(Diameter) / 26(D) mm



ADJUSTABLE U-BRACKET CAMERA

VM-10A

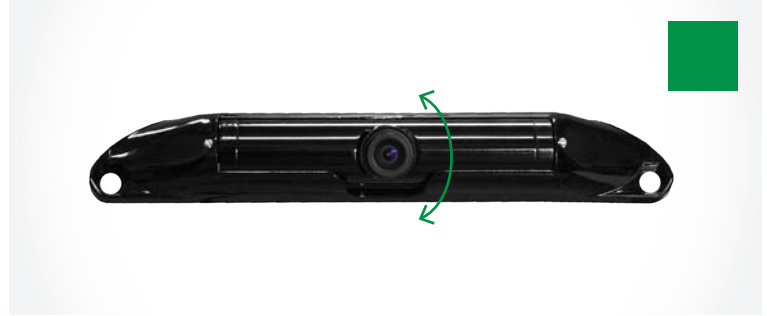


- Fastens with screws into lip or door, 2 brackets included
- Programmable Parking Lines
- 1/4 Color Camera, 160° diagonal, IP68
- Resolution: NTSC 510(H) x 492(V)
- Vibration Res: >5G, Op Temp: -30°C to +70°C
- Dimensions: 22(H) / 22(W) / 22(D) mm



LICENSE PLATE CAMERA

BC35B



- Mounts in front of license plate
- Built-in Parking Lines
- 1/3 Color Camera, 170° diagonal, IP67
- Resolution: NTSC 628(H) x 512(V)
- Vibration Res: >5G, Op Temp: -30°C to +70°C
- Dimensions: 28(H) / 198(W) / 25(D) mm



MULTI-ANGLE CAMERA

VM-360



CONVERTS 12-VOLT PULSE TO CONSTANT FOR SIDE CAMERA ACTIVATION WITH #VM-TSM1



22mm Hole saw Included

- Mount on side or lip, snaps into a 22mm hole
- Programmable Parking Lines and Image Reverse
- 1/3 Color Camera, 170° diagonal, IP67
- Resolution: NTSC 510(H) x 492(V)
- Vibration Res: >5G, Op Temp: -30°C to +70°C
- Dimensions: 34(H) / 34(W) / 32(D) mm



Commercial Cameras

UNIVERSAL FLEX MOUNT CAMERA

VM-11S



- Adjustable angle and mounts to roof or door
- Infrared LEDs, equipped with audio
- Sony CCD 1/4 Color Camera, 160° diagonal, IP68
- Resolution: NTSC 510(H) x 492(V)
- Vibration Res: >5G, Op Temp: -30°C to +70°C
- Dimensions: 75(H) / 134(W) / 204(D) mm



COMMERCIAL SIDE CAMERA

VM-10SLR



Converts 12-Volt Pulse to Constant for Side Camera Activation with #VM-TSM1



- Infrared LEDs, mounts on either side of the vehicle
- Image flip for left or right side, Sony CCD
- 1/4 Color Camera, 170° diagonal, IP68
- Resolution: NTSC 510(H) x 492(V)
- Vibration Res: >5G, Op Temp: -30°C to +70°C
- Dimensions: 50(H) / 83(W) / 41(D) mm



Commercial Cameras

2014 PROMASTER CAMERA: ROOF MOUNT

EV-PM014



- Mounts in middle marker light location and reuses OE marker light
- Super CMOS 1/4 Color Camera, 170° diagonal, IP67
- Parking line On/Off option
- Infrared LED's for enhanced nighttime vision
- 45° adjustable angle
- Resolution: NTSC 762H x 504V
- Vibration Res: >5G, Op Temp: -30C to +75C
- Dimensions: 100 (H) / 130 (W) / 83 (D) mm
- 28' total harness length



SPRINTER CAMERA: ROOF MOUNT

VM-11Y



- Sprinter 2000 - 2014
- Infrared LEDs, adj angle, mounts on vehicle roof, equipped with audio
- Sony CCD 1/4 Color Camera, 160° diagonal, IP68
- Resolution: NTSC 510(H) x 492(V)
- Vibration Res: >5G, Op Temp: -30°C to +70°C
- Dimensions: 75(H) / 134(W) / 204(D) mm



SPRINTER CAMERA: BRAKE LIGHT

EV-MS011



- Sprinter 2010 - 2014
- Infrared LEDs, adjustable angle
- 1/3 Color Camera, 170° diagonal, IP67
- Resolution: NTSC 648(H) x 488(V)
- Vibration Res: >5G, Op Temp: -30°C to +70°C
- Dimensions: 50(H) / 343(W) / 89(D) mm



TRANSIT CAMERA: LICENSE PLATE LIGHT

EV-FT822



- Ford Transit 2010 - 2013
- Replaces license plate light, built-in Parking Lines
- 1/3 Color Camera, 170° diagonal, IP67
- Resolution: NTSC 648(H) x 488(V)
- Vibration Res: >5G, Op Temp: -30°C to +70°C
- Dimensions: 57(H) / 80(W) / 24(D) mm



E-SERIES CAMERA: LICENSE PLATE LIGHT

EV-FE006



- Ford E-Series 2003 - 2013
- Replaces license plate light, built-in Parking Lines
- 1/3 Color Camera, 170° diagonal, IP67
- Resolution: NTSC 648(H) x 488(V)
- Vibration Res: >5G, Op Temp: -30°C to +70°C
- Dimensions: 48(H) / 81(W) / 65(D) mm



GM VAN CAMERA: BRAKE LIGHT

EV-GM006



- Chevy Express & GMC Savana 2003 - 2013
- Infrared LEDs, adjustable angle, replaces third brake light
- 1/3 Color Camera, 170° diagonal, IP67
- Resolution: NTSC 648(H) x 488(V)
- Vibration Res: >5G, Op Temp: -30°C to +70°C
- Dimensions: 57(H) / 242(W) / 120(D) mm



NISSAN NV CAMERA: BRAKE LIGHT

EV-NV404



- Nissan NV 2011 - 2013
- Infrared LEDs, replaces third brake light
- 1/3 Color Camera, 170° diagonal, IP67
- Resolution: NTSC 648(H) x 488(V)
- Vibration Res: >5G, Op Temp: -30°C to +70°C
- Dimensions: 76(H) / 216(W) / 89(D) mm



Tailgate Bezel Cameras and OE Fit Cameras

DODGE RAM TAILGATE CAMERA

EV-DRAM



- 2009 - 2014 Ram
- Programmable Parking Lines
- 1/3 Color Camera, 160° diagonal, IP68
- Resolution: NTSC 628(H) x 512(V)
- Vibration Res: >5G, Op Temp: -30°C to +70°C
- Dimensions: 104(H) / 239(W) / 93(D) mm



FORD F-SERIES TAILGATE CAMERA

EV-FF150



- 2005 - 2014 F150 & 2008 - 2014 Super Duty
- 1/3 Color Camera, 160° diagonal, IP68
- Programmable Parking Lines
- Resolution: NTSC 628(H) x 512(V)
- Vibration Res: >5G, Op Temp: -30°C to +70°C
- Dimensions: 120(H) / 207(W) / 30(D) mm



GM TAILGATE CAMERA

EV-GM14



- 2014 Chevy Silverado 1500, 2015 HD 2500/3500
- 2014 GMC Sierra 1500, 2015 HD 2500/3500
- 1/3 Color Camera, 160° diagonal, IP68
- Resolution: NTSC 628(H) x 512(V)
- Vibration Res: >5G, Op Temp: -30°C to +70°C
- Dimensions: 46(H) / 45(W) / 51(D) mm



GM SILVERADO/SIERRA TAILGATE CAMERA

EV-GMTR



- 2007 - 2013 Silverado 1500 & Sierra 1500,
- 2007 - 2014 Silverado HD & Sierra HD
- Programmable Parking Lines, 1/3 Color Camera,
- 160° diagonal, IP68, Resolution: NTSC 628(H) x 512(V)
- Vibration Res: >5G, Op Temp: -30°C to +70°C
- Dimensions: 124(H) / 284(W) / 85(D) mm



TOYOTA TACOMA TAILGATE CAMERA

EV-TTAC



- 2008 - 2014 Tacoma
- Comes with Lock & Keys
- 1/3 Color Camera, 160° diagonal, IP68
- Resolution: NTSC 628(H) x 512(V)
- Vibration Res: >5G, Op Temp: -30°C to +70°C
- Dimensions: 52(H) / 250(W) / 42(D) mm



TOYOTA TUNDRA TAILGATE CAMERA

EV-TTUN



- 2009 - 2014 Tundra
- 1/3 Color Camera, 160° diagonal, IP68
- Resolution: NTSC 628(H) x 512(V)
- Vibration Res: >5G, Op Temp: -30°C to +70°C
- Dimensions: 124(H) / 270(W) / 48(D) mm



LARGE FORD EMBLEM CAMERA

EV-FORD-L



- 2008-2014 F150 & Super Duty
- Programmable Parking Lines and Image Reverse
- 1/4 Color Camera, 160° diagonal, IP68
- Resolution: NTSC 628(H) x 512(V)
- Vibration Res: >5G, Op Temp: -30°C to +70°C
- Dimensions: 94(H) / 235(W) / 63(D) mm



Add a Front and/or Rear Parking Sensor System to Camera and Mirror or Monitor Installations for the Ultimate Safety Package

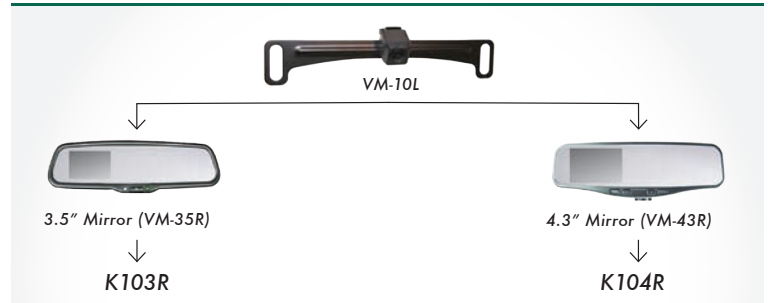
Universal Camera & Monitor Kits

LIP MOUNT OR TRUCK HANDLE KITS



- Mounts in lip and van doors, 19mm hole [Hole saw included]
- Programmable Parking Lines and Image Flip

ADJUSTABLE LICENSE PLATE KITS



- Mounts behind license plate or on lip
- Programmable Parking Lines and Image Reverse

MULTI-ANGLE KITS



- Mount on side or lip, snaps into a 22mm hole [Hole saw included]
- Programmable Parking Lines and Image Reverse

LIP MOUNT KITS



- Fastens with 2 screws into lip, includes angle wedge
- Programmable Parking Lines and Image Reverse

INFRARED LICENSE PLATE KITS



- Infrared LEDs, mounts behind license plate or on lip
- Programmable Parking Lines and Image Reverse

MINI LIP MOUNT KITS



- Mounts in tailgate handles 19mm hole [Hole saw included]
- Programmable Parking Lines and Image Flip

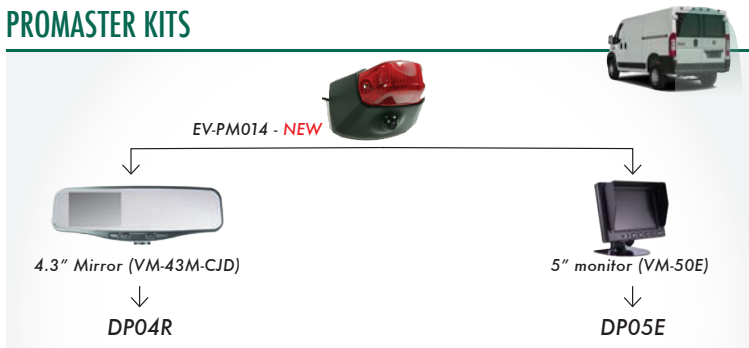
SIDE CAMERA KITS



- Side camera with Activation Module which converts 12-volt pulse to constant for side camera operation (Includes Camera & Module)

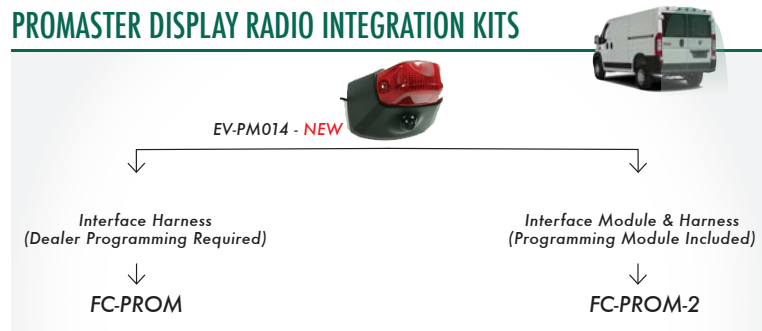
Commercial Camera & Monitor Kits

PROMASTER KITS



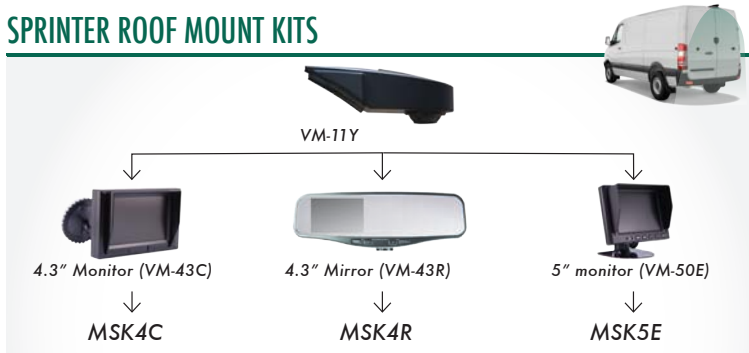
- 2014 Promaster
- Super CMOS camera, Infrared LEDs, adj angle
- Mounts behind middle marker light (reuses OEM light)
- Programmable parking lines

PROMASTER DISPLAY RADIO INTEGRATION KITS



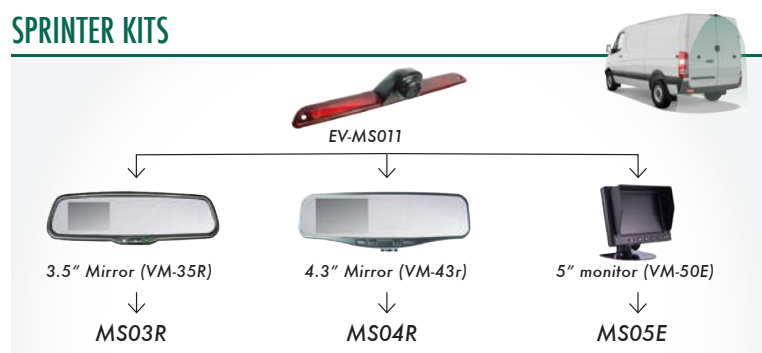
- 2014 Promaster w/ 5" or 8.4" display radio
- Super CMOS camera, Infrared LEDs, adj angle
- Mounts behind middle marker light (reuses OEM light)
- Programmable parking lines

SPRINTER ROOF MOUNT KITS



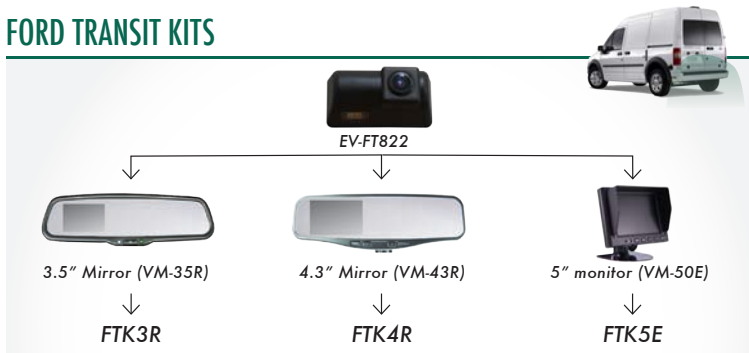
- Sprinter 2000 - 2013
- Infrared LEDs, adj angle, mounts on vehicle roof, equipped with audio

SPRINTER KITS



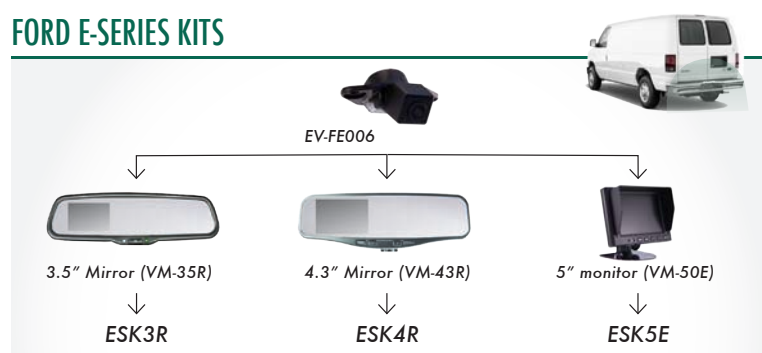
- Sprinter 2010 - 2013
- Infrared LEDs, adjustable angle

FORD TRANSIT KITS



- Ford Transit 2010 - 2013
- Replaces license plate light, built-in Parking Lines

FORD E-SERIES KITS



- Ford E-Series 2003 - 2013
- Replaces license plate light, built-in Parking Lines

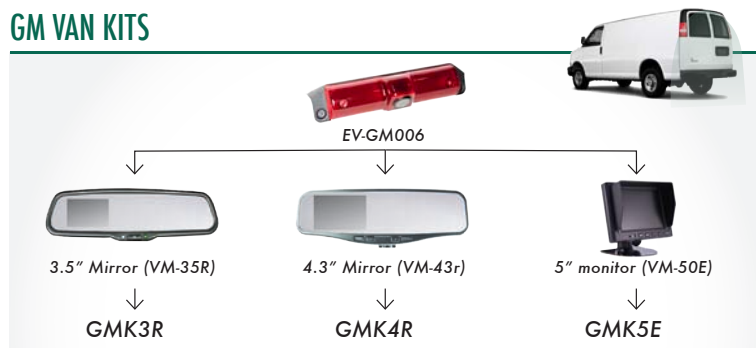
SIDE CAMERA KITS



- Side camera with Activation Module which converts 12-volt pulse to constant for side camera operation (Includes Camera & Module)

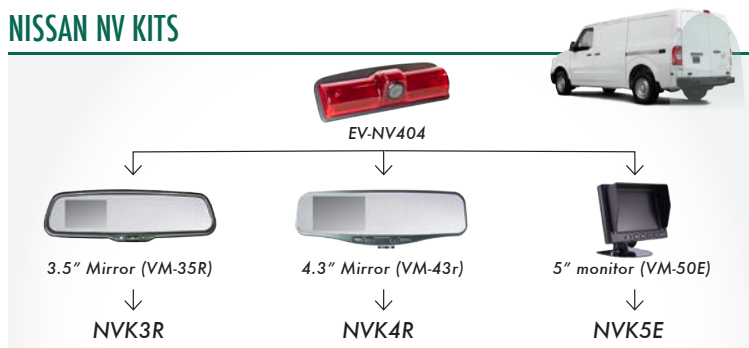
Commercial Camera & Monitor Kits

GM VAN KITS



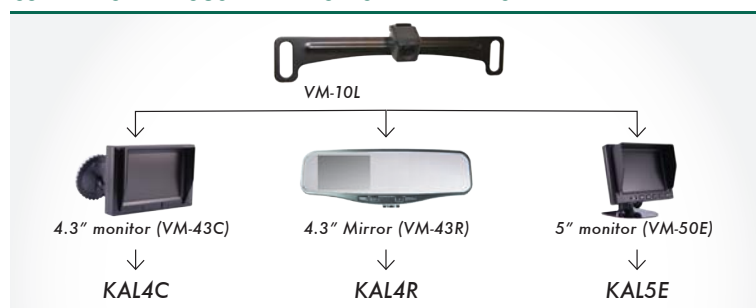
- Chevrolet Express/GMC Savana 2003 - 2013
- Infrared LEDs, adjustable angle, replaces third brake light

NISSAN NV KITS



- Nissan NV 2011 - 2013
- Infrared LEDs, adjustable angle, replaces third brake light

COMMERCIAL ADJUSTABLE LICENSE PLATE KITS



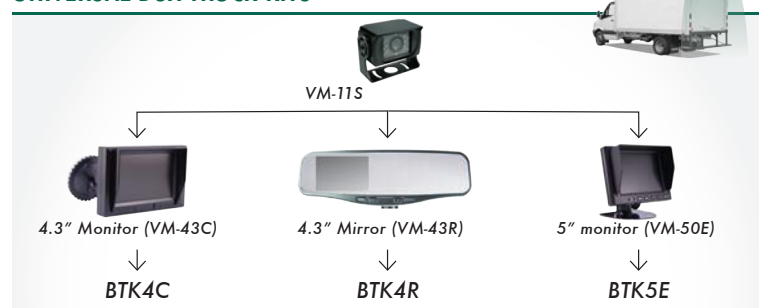
- Mounts behind license plate
- Programmable Parking Lines

COMMERCIAL FLEX MOUNT KITS



- Adjustable angle and mounts to roof or door
- Infrared LEDs, equipped with audio

UNIVERSAL BOX TRUCK KITS



- Fits up to 22ft trucks [call for larger vehicle applications] 32ft of cable included
- Adjustable angle, mounts to roof or door, infrared LEDs, equipped with audio

UNIVERSAL VAN KITS



- Infrared LEDs, mounts behind license plate or on lip
- Programmable Parking Lines and Image Reverse



SIDE CAMERA KITS



- Side camera with Activation Module which converts 12-volt pulse to constant for side camera operation (Includes Camera & Module)

FORD FOCUS DRLS (2012-2014)

DRL-12FOC-MT & DRL-12FOC-GL



FOCUS DRL w/ Matte Finish (DRL-12FOC-MT)

FOCUS DRL w/ Gloss/Piano Finish (DRL-12FOC-GL)



Bezels come in sets and replace the existing factory bezels in the lower front grill

Marketing Displays

PARKING SENSOR DISPLAY EM-DISPLAY

PARKING SENSORS

When an object is detected in the scanning area the driver will be alerted inside the vehicle with 3 distinct warning tones. Can also be added to any vehicle with a factory back-up camera.

Parking Sensor 'Working' Display can be built as a Rear or Front Park Assist.

CAMERA & MONITOR DISPLAY VM-DISPLAY

CAMERA SYSTEM

Camera System Sensors & wide-angle lens that capture the area not visible to standard rear view mirrors. This results in fewer accidents, and a safer driving experience.

EchoMaster can use any camera & monitor combo and design custom graphics to fit your needs.

COMBO DISPLAY CMB-DISPLAY

This display has a Camera & Monitor and your choice of a Rear or Front Park Assist.

Also Available From ROSEN

Headrest Replacement DVD Systems



Seat Back DVD Systems



Overhead DVD Systems



OE Display Radio Navigation & Camera Interfaces



Multi-Media Navigation Systems





www.echomaster.com