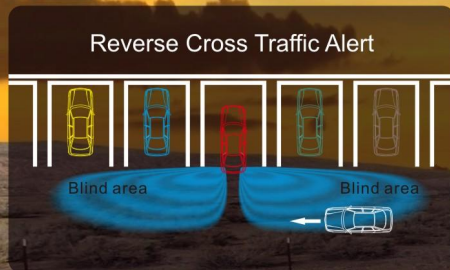


RYDEEN®

find your road



For Metal Bumper Vehicles



RYDEEN®

find your road

RYDEEN MOBILE ELECTRONICS
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 rydeenmobile.com

Blind Spot Detection Systems
 Rearview Mirror Monitors
 Pro Grade Solutions
 Multi Camera DVR Systems
 Backup Cameras
 Parking Assist Systems



2019 PRODUCT CATALOG

RYDEEN MOBILE ELECTRONICS



Ultimate Safety Solutions for your Vehicles

Without change, there is no innovation: Rydeen is the leader in mobile electronics focusing on creating products with the latest in science and technologies, attempting to change people's lifestyle one day at a time. With the use of life experience, considering social infrastructure, and the environment to initiated drawing, combining the highest levels of industrial arts, engineering, applied science, and pure science, Rydeen commits to the highest in technology, latest in product ideas ever possible in the consumer electronics through a scientific, industrial processes and innovation. Headquartered in Torrance, Calif., with a local staff that lives and breathes consumer electronics, we create unique products focused on driver safety, convenience and lifestyle enhancement.

RYDEEN[®]
find your road



BSS2LPBC



PVR15W



MD4BT

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07	Frameless Mirror Monitors	13	Backup Cameras
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09	HD Full Screen Mirror Monitor		

Product Line Overview

BSS2 Blind Spot Radar Safety Systems

In 2017, Rydeen introduced a GPS Speed Controlled Blind Spot Detection System and gained huge support from customers. The system not only works well, it also performs at the same level of integrity as the OEM systems. This year, we proudly announce winning of the 2019 CES Innovation Award, given to the newly introduced BSS2LPBC. Our radar-based systems add an extra set of eyes and warns drivers if there are any vehicles in your blind spots. BSS2LPBC features a built-in camera which allows you to see what is behind you. Both BSS2LPBC and BSS2LPB are designed to provide a much easier installation, at the same time to assure the accuracy of the system at the same level of prior models.



OEM Style Frameless MV Mirrors

New from Rydeen, MV-Frameless (MV-FL) mirrors not only add safety to your drive but provides style in the same package. With polished edged mirror glass and reflective accents, this will surely satisfy your companion's fashion desire. Matched with our lineup of vehicle specific mounts, available separately, for most vehicle applications. The 4.3-inch monitor appears when you activate it and disappears behind the mirror glass when not in use. All MV mirrors are tested under Rydeen's vigorous in-vehicle environment tests to ensure reliable usage for many years to come.



OEM Grade EV Mirrors

EV auto-dimming mirrors are universally fit to almost any vehicles, including a wide-range of mounting options -- this year's new additions are the Universal Mounting Brackets -- you'll be sure to find a backup monitor mirror to fit your needs. 4.3-inch monitors are invisible when not in use and the backup monitor appears only when you need it.



HD Full Screen OEM Grade Mirror

Rydeen introduced HD full screen SuperView (SV) mirror to the line-up of backup monitor mirrors last year, gained popularity. The SV747HD frameless mirror that can fit universally to almost any vehicles. Combined with a special SuperWide 180-degree view camera, this mirror offers variety of functions including split-screen and zoom-in telephoto views. SuperView mirror is equipped with 7.4-inch elongated screen but you will see that the image aspect is almost the true image, calibrated to the minimal distortion possible.



Pro Grade Series

Rydeen introduces a Pro Series monitor product category. Starting with 9-inch monitor that can withstand 10G of vibration and may be combined with 4 styles of professional grade cameras with complete water-proof (IP69K) design. See and experience Rydeen products that can offer solutions and expand your capabilities of in-vehicle technologies.



Enhanced Viewing Systems and DVRs

Our RDV360 has revolutionized enhanced viewing for the aftermarket when introduced 4-year ago. For 2019, we are continuing to expand the market of our 3D Surround View Driver Assist, the RDV360-3D. This system allows drivers to experience a real-time, 3D and top-down look around their vehicle enabling them to spot and avoid potential hazards. The built-in DVR records from either one or all 4 cameras. We're expanding our lineup of DVR's this year with the BVR400 II 4-channel "Black Box" systems, that allows the driver to select a combination of camera views for the ultimate safety experience.



Digital Parking Sensor Systems

PSR4000 & PSK4 Digital Parking Sensor Systems replicate the performance and functionality of original equipment systems using the latest technology available. The PSR4000 & PSK4 sensors are Digital Ultrasonic Park Assist featuring the latest in digital technology for accuracy of up to 8-feet and quick response.



Backup Cameras / OEM Fit Tailgate Cameras / OEM Fit 3rd Brake Light Cameras / Pro Grade Cameras

This year, Rydeen is newly introducing the "QUICK DISCONNECT" wire harness, this allows installers the ease of exchanging cameras without pulling out the entire wire harnesses. With true Ultra and Super HD sensors, starting from HD4 to iconic APL cameras, combining and delivering the higher definition experiences to the vehicle camera applications, including the 4 styles of professional grade cameras and OEM FIT tail with complete water-proof (IP69K) design, Rydeen is committed to deliver the highest visual experiences over all and any other companies in the industry. All cameras are tested under Rydeen's vigorous in-vehicle environment tests to ensure reliable usage for many years to come.

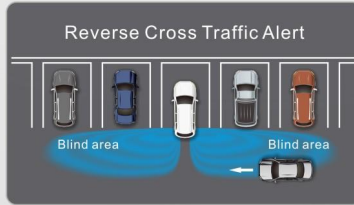
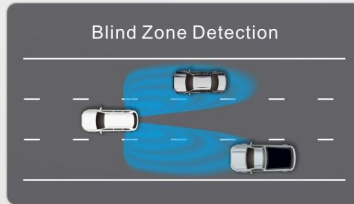


Advanced Vehicle Technology -AVT

Advanced Vehicle Technologies (AVT) is Rydeen's recently introduced range of products showcasing our technological acumen for in-vehicle Safety, Lifestyle and Information. AVT products demonstrate just how committed we are to vehicle safety, now and in the future. You will see the AVT logo throughout the catalog and understand the differences.



BSS2 RADAR BLIND SPOT SAFETY SYSTEMS



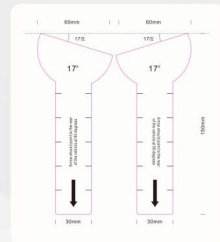
BSS2 Blind Spot Detection System is a radar based system which adds an extra set of eyes and warns drivers if there are any vehicles in your blind spots, before and during lane change maneuvers. The 2 compact radar sensors mount behind the rear bumper skin and alert the driver with 2 "A-Pillar" mounted LED indicators and a mini speaker that's hidden behind or under the dashboard.

BSS2x

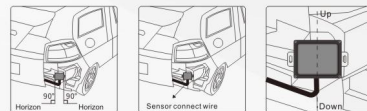


BSS2x represents exactly the same product behaviors found in OEM blind spot detection radars installed on high-end new vehicles. Utilizing 2-way detections (1-transmit, 2-receive), offer the ability to detect when another vehicle is coming up on your car, approaching in your blind spot. The new Rydeen model also detects when your car is coming up on a car ahead. So, when you are passing another car, you also get a warning.

BSS2



Easy to follow instructions, angle mount bracket and angle tool make BSS2 installation easy, precise and fail safe.



BSS2 LICENSE PLATE BAR BLIND SPOT SAFETY



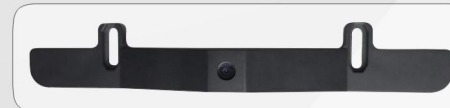
Built-in backup camera

BSS2 License Plate Bar Blind Spot Safety Systems

FEATURES

- State of the Art Microwave Radar Technology
- Accurate Detection of Vehicles in Blind Zone
- Cross Traffic Detection When Backing Up
- GPS Antenna for Speed Detection and Improved Sensing Accuracy
- No Cutting or Drilling Required
- Helps Ensure Safety and Reduces Stress While Driving
- BSS2LPBC includes a backup camera for additional safety

BSS2LPBC



BSS2LPB



BSS2LPB and BSS2LPBC install on the top or bottom of a vehicle's license plate. The unit has an alloy metal frame that holds two microwave radar sensors, with a waterproof plastic housing. BSS2LPBC features a built in high dynamic range rearview camera. Both systems will also work on vehicles with metal bumpers, giving millions of vehicles the additional coverage needed.

Trucks and commercial vehicles with metal panels that never had an option for aftermarket blind spot systems before can now take advantage of this advanced technology. In addition, the system includes an advanced algorithm for cross traffic detection.

FRAMELESS MIRROR MONITORS



MV437FLT **AVT**



- 4.3" Mirror Monitor with Ultra High-Brightness TFT Screen
- Frameless Mirror with Polished Edges
- 2 Video-In with 1 Video Auto-Trigger Switching for Back-up Camera
- Two Temperature Sensors for Inside & Outside Temperature Readings
- Highly Accurate Compass Included
- Mirror Measures 10-1/4 Inch
- Detachable & Replacable Mount
- Universal Mount (VSM-AV) Mount Included
- Screen Auto-brightness ON/OFF Selectable

MV437FL **AVT**



- 4.3" Mirror Monitor with Ultra High-Brightness TFT Screen
- Frameless Mirror with Polished Edges
- 2 Video-In with 1 Video Auto-Trigger Switching for Back-up Camera
- Mirror Measures 10-1/4 Inch
- Detachable & Replacable Mount
- Universal Mount (VSM-AV) Mount Included
- Screen Auto-brightness ON/OFF Selectable

OE GRADE MIRROR MONITORS

EV486ACT

- 4.3" Mirror Monitor with Ultra High-Brightness TFT Screen
- Auto Dimming Mirror
- 2 Video-In with 1 Video Auto-Trigger Switching for Back-up Camera
- Two Temperature Sensors for Inside & Outside Temperature Readings
- Highly Accurate Compass Included
- Mirror Measures 10-1/4 Inch
- Detachable & Replacable Mount
- Universal Mount (VSM-AV) Mount Included



EV486A

- 4.3" Mirror Monitor with Ultra High-Brightness TFT Screen
- Auto Dimming Mirror
- 2 Video-In with 1 Video Auto-Trigger Switching for Back-up Camera
- Mirror Measures 10-1/4 Inch
- Detachable & Replacable Mount
- Universal Mount (VSM-AV) Mount Included



MV436S

- 4.3" Mirror Monitor with Ultra High-Brightness TFT Screen
- 2 Video-In with 1 Video Auto-Trigger Switching for Back-up Camera
- Mirror Measures 10-1/4 Inch
- Detachable & Replacable Mount
- Universal Mount (VSM-AV) Mount Included



Mirror Monitor Mounts

Included VSM-AV



MOST TOYOTA, NISSAN, FORD, GM, MAZDA, HONDA

VSM-A



MOST TOYOTA, NISSAN, FORD, GM, MAZDA, HONDA

VSM-B



HONDA - ACCORD CIVIC MITSUBISHI - GALANT

VSM-AD



A-MOUNT FOR VEHICLES WITH TIGHT CLEARANCE (HONDA CR-V, ODYSSEY, DODGE CHALLENGER, CHARGER)

VSM-UNI UV Glue



UNIVERSAL (VSM-A, D-TAP AND UV GLUE)

VSM-I



VOLKSWAGEN PASSAT/JETTA/GOLF, AUDI - A6 / A4 (MV MIRROR WITH BALL JOINT)

VSM-J



CHRYSLER MOUNT (MV MIRROR WITH BALL JOINT)

VSM-K



SMART MOUNT (MV MIRROR WITH BALL JOINT)

VSM-KS



SPRINT MOUNT (MV MIRROR WITH BALL JOINT)

VSM-DV



MOST HYUNDAI AND KIA (MV MIRROR WITH BALL JOINT)

VSM-BMW



2001-2013 BMW TWIST STYLE MOUNT

MV ADAPTOR



MV-MOUNT ADAPTOR FOR CUSTOMERS USING ORIGINAL MOUNTING STEM

Universal Rearview Mirror Spacer / Bracket

MS1



MA1



HD FULL SCREEN MIRROR MONITOR



Touch Key Controls

High-Definition Camera
BLACK DIAMOND™

SV747HD AVT

- HD Full Screen SuperView Mirror Monitor
- 7.36" Full Screen LCD (1280*400 pixels)
- Touch Key Controls
- Real time rearview display
- High resolution image without distortion
- Multiple display modes available
- High Definition and Analog Options.

Driving Display Modes:

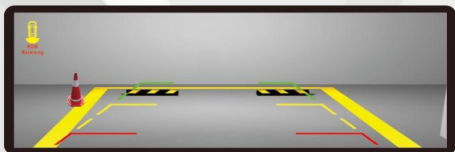


180-Degree Full View Mode

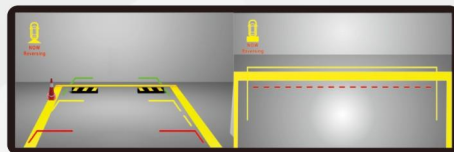


Zoom-in Telephoto View

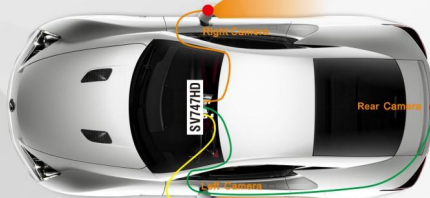
Reversing Display Modes:



180-Degree Full View Mode



Split View Mode
(130-Degree View + Top View)



Zoom-in Telephoto View

180-degree viewing angle

9-INCH MONITOR



VSM Mount Sold Separately

Professional Grade Waterproof
4-PIN Connectors (AV)

M9000P

Stand-Alone Monitor (9-inch)

- 9-inch WVGA Digital TFT Panel (1024*600 Pixels)
- Multi-languages OSD: English, French, Spanish, Russian.
- 2-AV Inputs: AV1 & AV2 with 1 Reverse Trigger
- On-board Speaker
- Commercial Grade 4-PIN AV Connectors
- Display Aspect: 4:3 & 16:9
- Multiple Video Formats: NTSC / PAL
- Remote Control Included
- Operating Voltage: 9-16 V
- Multiple Mounting Methods Available



7-INCH MONITOR



VSM Mount Sold Separately

Professional Grade Waterproof
4-PIN Connectors (AV)

M7000P

Stand-Alone Monitor (7-inch)

- 7-inch WVGA Digital TFT Panel (800*480 Pixels)
- Multi-languages OSD: English, French, Spanish, Russian.
- 2-AV Inputs: AV1 & AV2 with 1 Reverse Trigger
- On-board Speaker
- Commercial Grade 4-PIN AV Connectors
- Display Aspect: 4:3 & 16:9
- Multiple Video Formats: NTSC / PAL
- Remote Control Included
- Operating Voltage: 9-16 V
- Multiple Mounting Methods Available



5-INCH MONITOR

BM500S

Stand-Alone Backup Monitor (5-inch)

- 5-inch WVGA Digital TFT Panel (800*480 Pixels)
- Multi-languages OSD: English, French, Spanish, Russian
- 2-AV Inputs: AV1 & AV2 (AV1 is priority)
- Display Aspect: 4:3 & 16:9
- Multiple Video Formats: NTSC / PAL
- Operating Voltage: 9-16 V



3.5-INCH MONITOR

BM354S

Stand-Alone Backup Monitor (3.5-inch)

- Flexible Mount for Easy Installation
- 2 Video-in (One Auto Switching for Backup Camera)
- LCD Screen Size: 3.5-inch diagonal
- Resolution: 320*240 pixels
- Color Configuration: RGB delta
- Power Input: 9-16V DC
- Backup Camera Sold Separately



3D 360° SURROUND VIEW 4-CH DVR SYSTEM

RDV360-3D **AVT**

The RDV360-3D Surround View System eliminates blind spots and assists drivers in safe parking. Four 180° Cameras continuously record and using our advanced 3D software enable a 360° surround view. The 3D view software construct the virtual view of 3D image of vehicle surrounding that allows 45-degrees of viewing angle with wider viewing area...far more advanced than the 2D systems commonly used by car manufacturers. While the vehicle is parked, any triggered event (manual or auto) is saved to the included 8GB SD Card for future viewing.

Front / Rear Camera



MINI™ 180°

- Sensor: 1/3" CMOS low illumination
- Resolution (TV Lines): 580
- Minimum illumination: <0.01 Lux
- Angle: 180°
- Video System: NTSC or PAL
- Waterproof class: IP67-68
- Image: Selectable Mirror Image
- Operating Voltage: 9-16 Volt

Right / Left Camera



SIDE CAM™ 180°

- Sensor: 1/3" CMOS low illumination
- Resolution (TV Lines): 580
- Minimum illumination: <0.01 Lux
- Angle: 180°
- Video System: NTSC or PAL
- Waterproof class: IP67-68
- Operating Voltage: 9-16 Volt



Parking Safety

360° real-time surround view image displays on the right side and a backup camera view displays on the left side for enhanced viewing.

Features

- Wide Angel View Capturing
- Flexible Omni-Directional Monitoring System
- Real-Time 360 3D View
- Blind Spot Free
- Minimum Steps For Calibration
- 2D & 3D Versions Available
- Five Different Vehicle Types Option

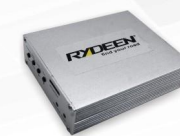
3D View Angle	Blind Spot View	Seamless Merging	4 Fish-eye Cameras	G-Sensor Lock
Easy Calibration	USB Support	Auto-Balance	Multiple Vehicle Types Option	Cyclic Recording

4-CHANNEL DVR SYSTEM

BVR400 II **AVT**

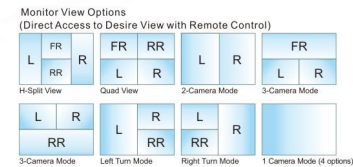
This 4 Channel Vehicle DVR system from Rydeen brings you Front, Rear, Right and Left views in high-definition, processed by our Intelligent Image Processing CPU.

- Real Time recording while vehicle is operating provides video and audio evidence in case of an accident.
- Features an auto-trigger function with turn signals or reverse to view potential hazards.
- Built in "G sensor" provides security for the vehicle even when parked, if an impact is detected the system wakes up and begins recording.
- 4 Channel views with split screen images assist while parking and driving. Remote control enables direct access to desired camera view(s).



Specification:

- Video Format: MOV
- Startup Record: ACC on, G-sensor
- Video Resolution: D1(720*480/30)
- Storage & Capacity: 8GB microSD (supports up to 32GB)
- Video Length: 1/3/5/ minutes
- LCD Off Delay: 3/15 sec
- Working Voltage: 9-16V



DUAL SIDE CAMERA

DUAL SIDE CAM™

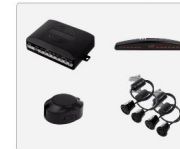
CM-D700
Universal Dual Side View Camera Kit



HD CMOS	480 TV Lines
Front / Rear	Side Cam

DIGITAL ULTRASONIC PARKING SENSORS

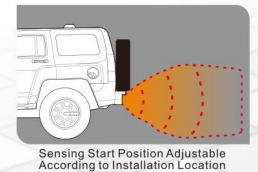
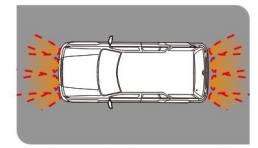
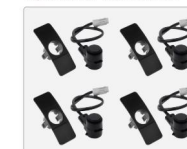
PSR4000D **AVT**
Digital Ultrasonic Parking Sensors



PSK4 **AVT**
Digital Sensor Add on Heads

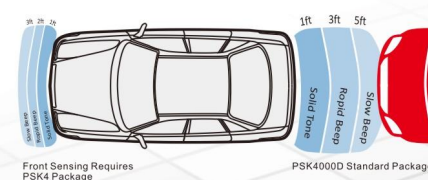


PSK4 Flush **AVT**
Digital Sensor Add on Heads



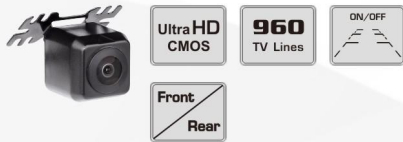
Features:

- LED Display Included
- High Accuracy 6-8 feet Sensing Distance
- Sensing Learning Mode to Bypass Spare Tire, Bicycle, etc...
- Paintable Sensor Heads
- Sensor Extension Cables Included
- External Mounting System for Quick Install
- Drill Bit and Painting Masks Included



BACKUP CAMERAS

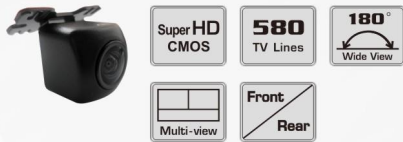
MINY™ HD CM-HD4



MINY™ CM-MINy3



MINY™ SUPERWIDE2 CM-180SW2



MINY™ APL CM-APL3



DUO™ HD CM-DUO3 HD



BLACK DIAMOND™ LIP™ APL CM-LIP3 APL



MINY™ LED CM-LED4



SIDE CAM™ CM-SIDE



JB01
Jeep Wrangler Bracket
(Camera Not Included)



BL01
MINy Camera License Plate Bracket
(Camera Not Included)



OEM FIT TAIL-GATE LATCH CAMERAS

FDH-F1B

Tailgate handle camera for Ford F150 Series (2004-2014) Ford F250, 350 Series (2008-2016)



FDH-F2B

Tailgate handle camera for Ford F150 Series 2015 & Newer



GM-DH3

Tailgate handle camera for Chevrolet Silverado / GMC Sierra 2014 & Newer



GM-DH2

Tailgate handle camera for Chevrolet Silverado / GMC Sierra (2007-2013)



TOY-TAC1

Tailgate handle camera for Toyota Tacoma (2006-2016)



TOY-TUN1

Tailgate handle camera for Toyota Tundra (2009-2017)



RAM-DH1

Tailgate handle camera for Dodge Ram 1500, 2500, 3500 (2009-2017)



FDH-F1C

Tailgate handle camera for Ford F150 Series (2004-2014) Ford F250, 350 Series (2008-2015)



OEM FIT 3RD BRAKE LIGHT CAMERAS

CM-FT2000P

3rd Brake Light Camera for Ford Transit



CM-SP2000P

3rd Brake Light Camera for Sprinter



CM-NV2000P

3rd Brake Light Camera for Nissan Van



CM-GC2000P

3rd Brake Light Camera for Chevy Express & GMC Savana



CM-DP2000P

3rd Brake Light Camera for Dodge ProMaster Van



CM-NVSM200

3rd Brake Light Camera for Nissan Nv200 / Chevy Express City



PRO GRADE CAMERAS

CM-R1000P
Pro Backup Camera



CM-R1000W
Pro Backup Camera



CM-T1000P
Pro Top Mount Camera



CM-B1000P
Bullet-shaped Camera

