

RYDEEN®

find your road



In-Dash Multimedia

Rearview Mirrors

GPS Navigation

Wireless Video Products

Pro Grade Solutions

Advance Warning Systems

Multi-View DVR Systems

Backup Cameras

Parking Assist Systems

RYDEEN®

find your road

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2016 PRODUCT CATALOG

RYDEEN MOBILE ELECTRONICS

**ADVANCED
VEHICLE
TECHNOLOGY**

Safety is the New Frontier.

With the new industry wide emphasis on safety comes new innovation, and that's where Rydeen is the market leader. In addition to a wide assortment of Safety Solutions, we build distraction-minimal devices that create a more intuitive and fulfilling driving experience. Our goal with every product is to help drivers stay focused on driving while benefiting from enhanced capabilities including the seamless use of voice- and touch-enabled features.

Experience Rydeen... Browse through our catalog for the latest in mobile solutions and innovations, and be part of the **New Frontier**.

Product Line Overview

The Next Level of Connected Convenience

Two years ago, we were one of the first companies to produce and deliver an Android-powered DVD multimedia station with our DV638A. Our double-DIN powerhouse brought internet-connected features into the vehicle. For 2016 we've enhanced our offering with the NEW DVA6 and V7! Both are double DIN multimedia POWER stations utilizing the "connected" features with internal (DVA6) or external (V7) internet optimized operating systems for playing music, watching videos, browsing your emails and pin-pointing yourself via satellites to navigate your drive. Take advantage of motion sensing, voice and easy-to-use touch enhanced controls for safe driving experiences.



MN, MD and MA mirrors

For integration-challenged vehicles where the radio cannot be placed to add backup monitor or navigation system, our line of replacement mirrors presents an intuitive option that retains your vehicle's factory look and feel. Our signature product is the newly updated MN312R, a rearview mirror with built-in GPS navigation featuring new iGO mapping software and improved Bluetooth capability. Additional features include a direct audio line-out for connecting with the vehicle's audio system. MD4BT mirror features our MiLink connection that would mirror your Smartphone's screen. MA4BT is also a new addition for a safe backup and hands-free Bluetooth features. All Rydeen mirrors feature our unique Multi-Mount Systems, utilizing a variety of mounts to fit thousands of vehicle applications.



OEM Grade MV Mirrors

Rydeen MV series backup monitor mirrors are universal systems, including a wide-range of mounting options; you'll be sure to find a backup monitor mirror that will fit your vehicle. We even have vehicle specific mounts, available separately, for many applications. You may select from either a 3.5-inch or 4.3-inch monitor that disappears behind the mirror glass "when not in use". All MV mirrors are tested under Rydeen's vigorous in-vehicle environmental tests to ensure reliable usage for many years to come.



Pro Grade Series Monitors, Cameras and 360 Viewing Systems

Rydeen is introducing a new Pro Series product category. Starting with 7-inch monitor that can withstand 10G of vibration and may be combined with 3 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 with our multi-camera DVR system. This system allows drivers to experience a real-time, top-down look around of 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 2 & 4-channel "Black Box" systems, that allows the driver to select a combination of camera views for the ultimate safety experience.



Rear-View Cameras

Our most popular product category continues to grow! Last year we expanded the MINy™ family line of cameras to introduce a value-focused, single-need application camera, the MINy ME. This year we are adding SIDE-VIEW cameras and more application-specific cameras to fit your customized installation requirements.



Parking Sensors

Our line of parking assist systems proved that aftermarket sensors could look, perform and function just like the original equipment. We offer a comprehensive lineup from basic 4 Sensor Rear Backup kit with audible warning to a 6 Sensor Front and Rear kit with either separate LED module or OSD (On Screen Display) providing distance reading on a backup monitor. Also offered is an option to flush mount the sensors just like OE, another innovation from Rydeen.



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.



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Can Your Radio Do This?

Google Maps, Pandora, G-Mail, YouTube, SKYPE, Instagram, Waze etc...all at your fingertips. The DVA6 is the second generation of RYDEEN's internet-connected double-DIN DVD multimedia station. The new DVA6 improves on its predecessor with an updated version of the Android OS that's been optimized for automotive use. The DVA6 features a Dual-Core CPU with 8-Giga Bytes of system memory, and a new capacitive touch screen for quick response.

Musical Powerhouse



The DVA6 gives you multiple options to enjoy your favorite media including DVD/CD, AM/FM, SD Card, MP3/MP4 and Bluetooth A2DP streaming. Additionally, we've made connection to even more. Pandora / iHeart internet connected radio stations possible. Unlike many of our competitors, we've chosen not to sacrifice sound quality for convenience and employ the use of a 24-Bit D/A Converter, an internal amplifier rated at 45 watts x 4 and a built-in EQ with Center Frequency and Q controls to tailor the sound to your taste. To sum it up, the DVA6 is a myriad of musical options at your command.

Built-In Maps Take You Anywhere...



Have someplace to go? Now you've got options! The DVA6 comes equipped with onboard navigation so that you reach your destination quickly and safely (separate fee and one-time maps download via WiFi connection / activation required). Need to find a restaurant, ATM or gas station? Getting information on POI (points of interests) can be done easily without an internet connection. If you prefer the connected experience, you can access the latest traffic conditions along the way with Google Maps and Waze or find that new restaurant on Yelp. Thanks to Google Services, you can access all your Google Contacts, previous search histories and destinations that are stored in your dedicated cloud storage.

Expandability...



The DVA6 is ready to add many of devices designed for Smart Phones based on Android OS. Let's take a look at the new TPMS (Tire Pressure Monitoring System) from Rydeen. Rydeen's TPMS (model TPM1) is a universal system, not only optimized for meeting Rydeen's vigorous in-

vehicle environment test requirements, but ensured the various functionalities to work for your Smart Phones (iPhone & Android) for monitoring the high/low pressure of all four tires, slow/fast air leakage, high temperature condition as well as detecting low battery condition of the TPMS sensor itself. The system can provide the following features:

- Real-time tire data monitoring.
- Providing both visual & audible alarm for tire condition warnings.
- Intelligent sleep mode for power saving.
- Choose from external type (DIY Installation) or professional type internal sensors, both types are available.
- We tested TPM1 for EMI/EMS (against unwanted electro-magnetic discharges & interferences) and ESD (electro-statics discharges) using military spec conditions.
- Permanently connected cigar lighter plug module included.

*The DVA6 enables some features that may not be safe to operate while the vehicle is moving. Practice safe driving and use only the functions that are designed for a vehicle in motion.



DVA6 screen showing Tire Pressure Monitoring System (Model TPM1)

DVA6 **AVT**

Made with Android, Made for Automotive...



Get the best of both worlds with the DVA6 by utilizing the ergonomic feel of physical buttons and the rotary volume control of a conventional radio, or the touch and swipe gestures of your Smartphone or tablet. Swipe and press on the 6.2-inch capacitive touch screen and the

Android operating system comes to life. The DVA6 combines all controls via an intuitive interface placing it at your fingertips. Customize your experience by placing your driver-centric apps and widgets where you want them. If you ever change your phone, your stored information at Google Services will follow you, providing the ultimate convenience and entertainment in your car. The DVA6 also features a new external microphone that offers improved noise cancelling while enabling voice control compatibility with your Smartphone assistant for a True "hands-free experience".

Seamless Integration with Your Audio System...

The DVA6 features an industry standard double-DIN design so it fits directly into the dash of many late-model vehicles. For a newer vehicle, your local installation shops can find a right dash kit for the perfect fit to your vehicle. Connect directly to your car's speakers with its robust internal 45-watt x 4 amplifier, or add even more power with flexible low-level front, rear and subwoofer outputs. The DVA6 is also compatible with PAC* steering wheel control interfaces, you can control the volume and make music selections without taking your hands off the wheel. (*PAC, Pacific Accessory Corporation, contact at www.pac-audio.com)

Hands-free and Backup Camera Ready...

Enjoy safe, lawful and wireless phone conversations in your vehicle using the DVA6's internal Bluetooth connectivity. One-button operation connects directly to your phone's built-in assistant (Siri or Google Voice Search) keeping you focused on your driving. With its external microphone, the sound quality and sensitivity has been optimized during your calls, combined with the advanced noise cancelling technology. The large 6.2" touch screen doubles as a high-visibility monitor to see what's behind your vehicle with the addition of an external camera (sold separately).

Experience the Power of Connectivity...

Using a compatible 3G/4G jetpack or wireless hotspot of your phone, the DVA6 becomes even more powerful, bringing the unlimited possibility of the internet to your drive. Connected navigation, streaming music services and instructive podcasts keep you entertained and informed. When you're parked, the DVA6 connects you with the world via email, Messaging and Social Media.



Connecting Your Phone, then the World...

All you'll need is our V7 and an open road...

Connect to the rest of the world without skipping a beat...Rydeen's V7 Head Unit enables full on connection to your online world by mirroring your Smartphone, both iPhone & Android OS, with digital audio/video connections. Enjoy your lawful, hands-free, and wireless phone conversations in your vehicle using the V7's external Bluetooth microphone. Access your favorite apps, connect with friends or colleagues on Facebook, Google Plus, LinkedIn or your favorite Hangouts. Accessing your Twitter and email accounts while listening to the "Soundtrack of Your Life" in your vehicle is just a touch away. Connect with external amplifier and enjoy the full sound and every nuance with the low-level front, rear and subwoofer outputs and 7-band EQ, giving you the sound and visual experiences not possible using headphones or ear buds. Your favorite music library can be stored via a flash drive using the convenient USB connector. You can connect to Pandora*, Spotify or other online Radio Apps effortlessly with our built-in Bluetooth streaming or connect with digital AV input (Mi-Link) to mirror your phone to watch your favorite YouTube™ videos using Rydeen V7, **your options are unlimited...**

Built-in Touch-less Controls...

Manage the 7-inch TFT Screen On by simply waving at the Rydeen V7. Experience the effortless and touchless On/Off control of the voice command features (Siri or Google Voice Search) in your phone using the built-in proximity sensor. Thanks to the built-in motion sensor, with V7, you can move your hand and control your music (Play/Pause/Track Up/Track Down) and the radio frequencies (Tuner Seek Up/Seek Down/Seek Stop). Your phone's Bluetooth streaming can be controlled by your hands too, play and control your music (Play/Pause/Track Up/Track Down) without a touch. The V7 also features an "Easy to Touch On-Screen Volume Control", so use your finger and make a circular motion to control the level of sound to your liking.



Reliability - Quality Control System...

RYDEEN products are manufactured on the assembly line of an advanced production system, using rigid quality control and stringent inspection techniques. With top priority placed on the manufacturing, we maintain consistent quality control in every stage of production, from initial product planning to parts selection and assembly.



SD Slot Testing
(Above Pictures Showing Model DVA6)

Button Testing

Vibration Test

*The V7 enables some features that may not be safe to operate while the vehicle is moving. Practice safe driving and use only the functions that are designed for a vehicle in motion.

Mirror your Smart Phones with V7 Mi-Link Connections...

Use your phone's HDMI/MHL digital AV output feature to mirror your phone. Enjoy your phone even more by watching the phone screen mirrored to the large, HD quality 7-inch TFT screen of V7. Access your favorite apps, GPS navigation, watch your favorite YouTube™ video and listen to Pandora* audio effortlessly with the built-in digital AV input (Mi-Link), your options are unlimited. Unlike many similar products, we've chosen not to sacrifice the sound quality by employing the use of a high-fidelity D/A converter, plus an internal 40 watts x 4 (max) amplifier. Or you can add even more power with flexible low-level front, rear and subwoofer outputs and a built-in 7-band EQ to tailor the sound to your taste. The V7 is also compatible with PAC* steering wheel control interfaces, so you can control the volume and make music selections without taking your hands off the wheel. (*PAC, Pacific Accessory Corporation, contact at www.pac-audio.com). To sum it up, the V7 is the game changer to your connected world, all you need is your "Smartphone" and V7 in your ride...



REMOTE INCLUDED

Mi-Link Connection



REARVIEW MIRROR NAVIGATION SYSTEMS

It's safe. Unlike portable navigation systems that stick to the windshield or slide around on the dash (both of which are illegal in some states), the Navigation Mirror replaces your existing mirror to give you a single place to get all of the driving information you need at a glance.

It's easy to use. Touch the screen to enter your destination and adjust the view to your liking. The Navigation Mirror talks to you, speaking street names and giving you precise directions.

It's handy. Use its built-in, handsfree system to make and receive calls through your Bluetooth-enabled wireless phone. You can even add a rear-view camera to see what's behind you when you're backing up.

Features:

- Rearview Mirror with GPS Navigation (3.5-inch)
- Built-in GPS Antenna
- Built-in Temperature Sensor
- One-button access to **Emergency** services
- Integrated Bluetooth for Hands-free Cell Phone Operation
- Video Auto-Trigger Switching for Backup Camera
- Selectable Viewing Format for Navigation (2D, 3D or Turn-by-Turn)
- 10 million Points of Interest (POIs) with Phone Number for Most Locations
- Natural Sounding Text to Speech™
- High-Fidelity Internal Speaker
- SD Card Slot for Easy Map Updates and Personal Media
- Vehicle-Specific Mounts for Replacing Original Mirror
- Easy Access Buttons
- Mirror measures 10-1/4 inches
- VSM-AN Included
- Backup Camera Sold Separately

Sturdy Construction

Housing stands up in direct sunlight and changing temperatures, just like the factory mirror.

Bigger and Wider View

Mirror surface area is increased by 5% (comparison to the previous model) and combined with forward mounting methodology, the viewing area is now bigger and wider than ever before.

Built-In Speaker

Hear voice directions, phone conversations or your favorite tunes loud and clear.

Memory Expansion Slot

Use it to play music, show photos or update maps on your navigation screen



MN312R

AVT

Built-In Bluetooth Microphone

Microphone ensures that callers hear you clearly.

Temperature Sensor Button

Temperature sensor probe is connectable to the mirror to display inside or outside temperature of a vehicle with accuracy.

Touch-Screen Operation

Use your finger to do it all: enter directions, answer calls and select your favorite features.

Emergency Button*



Backup view

The display will automatically show the rear camera view when you are backing up. (Backup camera required)

Included

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

VSM-AN



MN Mirror Mount Systems



VSM-B

HONDA - ACCORD / CIVIC MITSUBISHI - GALANT



VSM-AD

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



UV Glue

VSM-UNI

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



VSM-DN

MOST HYUNDAI AND KIA (MN MIRROR WITH BALL JOINT)



VSM-500

FIAT 500



VSM-F

VOLKSWAGEN - PASSAT/JETTA/COLLE ALICE - A6 / A4 (MN MIRROR WITH BALL JOINT)



VSM-G

CHRYSLER MOUNT (MN MIRROR WITH BALL JOINT)



VSM-H

SMART MOUNT (MN MIRROR WITH BALL JOINT)



VSM-HS

SPORT MOUNT (MN MIRROR WITH BALL JOINT)



MN-ADAPTOR

MN-MOUNT ADAPTOR FOR CUSTOMERS USING ORIGINAL MOUNTING STEM

Rydeen Mirrors can access the Guidepoint GPS Tracking System*

- Stolen Vehicle Recovery
- Find Traffic Conditions
- Emergency Assistance
- Help Located a Loved One
- Roadside Assistance
- Reduce Insurance Costs
- Online Vehicle Tracking
- And So Much More...

E-Call

You are connecting to Guidepoint Concierge Services

guidepoint SYSTEMS

A short press of the Guidepoint button connects you to its 24-hour Call Center using your Bluetooth-connected phone.

Location Alert

Sending Your Location to Guidepoint Service Center

guidepoint SYSTEMS

A long press of the Guidepoint button sends your GPS location to the Call Center so they can send emergency assistance.



Customer web screen for tracking your car



Fleet management software is available

*Guidepoint GPS box is sold separately and service activation is required. Contact your retailer for more details.

MD4BT REARVIEW MIRROR



MD4BT

Mi-Link Connection for Mirroring



iPhone & Android Voice Command



MP3 & MP4 Play with Audio-Line Out



Backup Camera Auto Switching



MA4BT REARVIEW MIRROR



MA4BT

- Rearview Mirror with Built-in 4.3-inch Monitor
- One-button access to Guidepoint services
- Night-time Auto Screen Dimming
- Integrated Bluetooth for Hands-free phone operation
- 2 Video-In (One Auto Switching for Backup Camera)
- Large Size Easy Access Buttons
- Mirror measures 10-1/4 inch
- Universal Mount Included (VSM-AN)
- Remote Control Included
- Backup Camera Sold separately

OE GRADE MIRROR MONITORS

MV432T

- 4.3" Mirror Monitor with Ultra High-Brightness TFT Screen
- 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
- Monitor Auto-Dimming with Variable Brightness



MV432S

- 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
- Monitor Auto-Dimming with Variable Brightness



MV332S

- 3.5" 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
- Monitor Auto-Dimming with Variable Brightness



MV Mirror Mount Systems

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



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

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-500



FIAT 500

MV ADAPTOR



MV-MOUNT ADAPTOR FOR CUSTOMERS
USING ORIGINAL MOUNTING STEM

BACKUP CAMERAS



(BL01 Bracket Optional)

MINY™ SUPERWIDE

Universal Mini Camera Ultra CMOS II NightVision Technology

- Mini Camera with Ultra HD CMOS Sensor with NightVision™ Technology
- Engineered ABS Housing
- Resolution (TV LINES): 580
- Minimum Illumination: <0.01Lux
- Diagonal View Angle: 180°
- Operating Voltage: 9-16V
- Water-proof: IP67-IP68
- Video System: NTSC (Color)
- Image: Mirror / Standard Selectable
- Parking Line On
- Body Color: Black (B)

Six Image Models Available

Front view



Rear view



Wide angle & zoom



Right and left view & zoom



Right and left view & zoom



Full frontal view



■ Rydeen BVR400 System
■ Regular Car Side Mirror
■ Regular Car Rearview Mirror

DUAL SIDE CAM™

Universal Dual Side View Camera Kit

- A pair of Mini Cameras with Super CMOS IV Sensor with NightVision™ Technology
- Engineered EPDM Outside Housing
- Aluminum Alloy Metal Camera Housing
- Include Black Box for Turning Lamp detection
- Resolution (TV LINES): 480
- Minimum Illumination: <0.3 LUX
- Include Dual Side View Camera Control Cable (Y-Cable)
- Viewing Angles: 150°
- Operating Voltage: 9-16V
- Water-proof: IP67-IP68
- Video System: NTSC (Color)
- Image: Mirror / Standard Selectable
- Selectable Side View Assist Line Image On / Off
- Body Color: Black (B)



The blue car's driver sees the green car through his side view mirrors but cannot see the red car without using Rydeen's BVR400 4CH DVR system or turning to check his blind spot.

BACKUP CAMERAS



MINY™ HD

Universal Mini Camera Ultra CMOS II NightVision Technology

- Mini Camera with Ultra HD CMOS Sensor with NightVision™ Technology
- Engineered ABS Housing
- Resolution (TV LINES): 580
- Minimum Illumination: <0.01Lux
- Diagonal View Angle: 170°
- Operating Voltage: 9-16V
- Water-proof: IP67-IP68
- Video System: NTSC (Color)
- Image: Mirror / Standard Selectable
- Selectable parking line display
- Body Color: Black (B)

MINY™ ME

Universal Mini Camera Super CMOS IV NightVision Technology

- Mini Camera with Super CMOS IV Sensor with NightVision™ Technology
- Engineered ABS Housing
- Resolution (TV LINES): 480
- Minimum Illumination: <0.3Lux
- Diagonal View Angle: 170°
- Operating Voltage: 9-16V
- Water-proof: IP67-IP68
- Video System: NTSC (Color)
- Image: Mirror / Standard Selectable
- Selectable parking line display
- Body Color: Black (B)



MINY™ LED2

Universal Mini Camera Super CMOS IV NightVision Technology

- Mini Camera with Super CMOS IV Sensor with NightVision™ Technology
- Engineered ABS Housing
- Resolution (TV LINES): 480
- Minimum Illumination: 0 Lux / 4 LEDs
- Diagonal View Angle: 120°
- Operating Voltage: 9-16V
- Water-proof: IP67-IP68
- Video System: NTSC (Color)
- Image: Mirror / Standard Selectable
- Selectable parking line display
- Body Color: Black (B)

MINY™ ME

Universal Mini Camera Super CMOS IV NightVision Technology

- Mini Camera with Ultra HD CMOS Sensor with NightVision™ Technology
- Engineered ABS Housing
- Resolution (TV LINES): 480
- Minimum Illumination: <0.3Lux
- Diagonal View Angle: 170°
- Operating Voltage: 9-16V
- Water-proof: IP67-IP68
- Video System: NTSC (Color)
- Image: Mirror Image Only
- Body Color: Black (B)

DUO2™

Universal Mini Camera Super CMOS IV NightVision Technology

- Mini Camera with Super CMOS III Sensor with NightVision™ Technology
- Zinc Alloy Metal Housing
- Resolution (TV LINES): 480
- Minimum Illumination: <0.3Lux
- Diagonal View Angle: 150°
- Operating Voltage: 9-16V
- Water-proof: IP67-IP68
- Video System: NTSC (Color)
- Image: Mirror / 80° Angle Image Selectable
- Selectable parking line display
- Body Color: Black (B)

LIP™

Universal Mini Camera Super CMOS IV NightVision Technology

- Mini Camera with Super CMOS III Sensor with NightVision™ Technology
- Zinc Alloy Metal Housing
- Resolution (TV LINES): 480
- Minimum Illumination: <0.3 Lux
- Diagonal View Angle: 150°
- Operating Voltage: 9-16V
- Water-proof: IP67-IP68
- Video System: NTSC (Color)
- Image: Mirror / 90° Angle Image Selectable
- Selectable parking line display
- Body Color: Black (B)

OMNI CAM™

Universal Side View Camera

- Side Mirror Mount Installation
- Super CMOS IV with Night Vision Technology
- Engineering EPDM Housing
- Includes Module for Turn Signal Trigger
- Resolution: 480 TV Lines
- Minimum Illumination: 0.3 Lux
- Diagonal View Angle: 150°
- Wide Angle Adjustable Camera
- Working Voltage: 9-16V
- Waterproof Design IP67-68
- TV System: NTSC (Color)
- Selectable Side View Assist Line On / Off
- Body Color: Black (B)

KEY HOLE CAM

Universal Surface Mount Camera

- Surface Mount Installation
- Super CMOS IV with Night Vision Technology
- Aluminum Alloy Metal Housing
- Resolution: 480 TV Lines
- Minimum Illumination: 0.3 Lux
- Diagonal View Angle: 150°
- Working Voltage: 9-16V
- Waterproof Design IP67-68
- TV System: NTSC (Color)
- Image: Mirror / Standard Selectable
- Selectable Side View Guideline On / Off
- Body Color: Black (B)

Factory Style Custom Ford® Camera



- Mini Camera with Super CMOS III Sensor with NightVision™ Technology
- Engineered ABS Housing
- Resolution (TV LINES): 420
- Minimum illumination: <0.2Lux
- Diagonal View Angle: 150°
- Operating Voltage: 9-16V
- Water-proof: IP67-IP68
- Video System: NTSC (Color)
- Image: Mirror / Standard Selectable
- Selectable parking line display
- Body Color: Black (B)



BL-01

MINy Camera License Plate Bracket



System Options



PRO GRADE DIGITAL WIRELESS MODULES

WG-2400P **AVT**

Commercial Grade Digital Wireless Backup Video Kit

- Digital Wireless 2.4GHz Transmitter/Receiver Set
- Waterproof IP69K
- Connects to Backup Camera and Front Video Screen
- Effective Transmission Range average 50 feet.



DIGITAL WIRELESS MODULES

DG240 **AVT**

Digital Wireless Backup Video Kit

- Digital Wireless 2.4GHz Transmitter/Receiver Set
- Includes Adhesive Pads, Power Cables
- Connects to Backup Camera and Front Video Screen
- Effective Transmission Range average 35 feet.



5-INCH MONITOR



M5000P

Stand-Alone Monitor (5-inch)

- 5 - inch WVGA Digital TFT Panel (800 * 480 Pixels)
- Multi - languages OSD: English, French, Spanish
- 2 - AV Inputs: AV1 & AV2 (AV2 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 X 240 pixels
- Color Configuration: RGB delta
- Power Input: 9 -16V DC
- Backup Camera Sold Separately



PRO GRADE 7-INCH MONITOR



VSM Mount sold separately

M7000P

Stand-Alone Monitor (7-inch)

- 7-inch WVGA Digital TFT Panel (800x480 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

Professional Grade Waterproof
4-PIN Connectors (AVV)

- Display Aspect: 4:3 & 16:9
- Multiple Video Formats: NTSC / PAL
- Remote Control Included
- Operating Voltage: 9 - 16 V
- Multiple Mounting Methods Available



OEM FIT 3RD BRAKE LIGHT CAMERAS



Lens Direction Adjustable

CM-FT2000P

3rd Brake Light Camera for Ford Transit

- Full Size Only
- 1/4 CMOS PC7070
- Lens, 1.7mm
- View Angle, 170°
- 6pcs Built-in Night Vision IR LEDs
- Microphone Included
- Waterproof Rate, IP68
- Shell Material, PC
- Bracket Material, Plastic
- Power, 9 - 16V DC

CM-SP2000P

3rd Brake Light Camera for Sprinter

- 1/4 CMOS PC7070
- Lens, 1.7mm
- Lens Angle, 170°
- Microphone Included
- 6pcs Built-in Night Vision IR LEDs
- Waterproof Rate, IP68
- Shell Material, PC
- Bracket Material, Plastic
- Power, 9 - 16V DC

PRO GRADE CAMERA SERIES



PRO

CM-R1000P / CM-R1000W Pro BackUp Camera

- Wide and adjustable sun visor
- Automatic adjustment for Day & Night
- Minimum illumination : 0.1 Lux (day), 0 Lux (with IR)
- Engineered metal housing
- Built in microphone
- Pixel Plus 1/3" CMOS PC1089K
- 120° View Angle
- Night Vision Distance : 50 feet [18 IR lights]
- Effective Pixels : 728 x 488 Pixels
- Resolution : 500 TV Lines
- Waterproof design IP69K
- Anti-Vibration : 10G
- Image: Mirror



PRO

CM-T1000P Pro Top Mount Camera

- Top mount installation
- Automatic adjustment for Day & Night
- Minimum illumination : 0.1 Lux (day), 0 Lux (with IR)
- Engineered ABS housing
- Built in microphone
- Pixel Plus 1/3" CMOS PC1089K
- 120° View Angle
- Night Vision Distance : 25 feet [9 IR Lights]
- Ball swivel camera with 235° wide angle adjustment
- Effective Pixels : 728 x 488 Pixels
- Resolution : 500 TV Lines
- Waterproof design IP69K
- Anti-Vibration : 10G
- Image: Mirror



PRO

CM-S1000P Pro Bullet-Shaped Camera

- Side / Top installation
- Automatic adjustment for Day & Night
- Minimum illumination : 0.1 Lux (day), 0 Lux (with IR)
- Engineered metal housing
- Built in microphone
- Pixel Plus 1/3" CMOS PC1089K
- 140° Wide View Angle
- Night Vision Distance : 16 feet [5 IR Lights]
- Angle adjustable camera
- Effective Pixels : 728 x 488 Pixels
- Resolution : 500 TV Lines
- Waterproof Design IP69K
- Anti-Vibration : 10G
- Image: Mirror



CM-NV2000P

3rd Brake Light Camera for Nissan Van

- Full Size Only
- 1/4 CMOS PC7070
- Lens, 1.7mm
- Lens Angle, 170°
- 6pcs Built-in Night Vision IR LEDs
- Microphone Included
- Waterproof Rate, IP68
- Shell Material, PC
- Bracket Material, Plastic
- Power, 9 - 16V DC



CM-GC2000P

3rd Brake Light Camera for Chevy Express & GMC Savana

- 1/4 CMOS PC7070
- Lens, 1.7mm
- View Angle, 170°
- Microphone Included
- 6pcs Built-in Night Vision IR LEDs
- Waterproof Rate, IP68
- Shell Material, PC
- Bracket Material, Plastic
- Power, 9 - 16V DC



CM-DP2000P

3rd Brake Light Camera for Dodge ProMaster Van

- 1/4 CMOS PC7070
- Lens, 1.7mm
- View Angle, 170°
- Microphone Included
- Waterproof Rate, IP68
- Bracket Material, Plastic
- Power, 9 - 16V DC



CM-NVSM200

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

- 1/4 CMOS PC7070
- Lens, 1.7mm
- View Angle, 170°
- Microphone Included
- Waterproof Rate, IP68
- Bracket Material, Plastic
- Power, 9 - 16V DC

OEM FIT TAIL-GATE LATCH CAMERAS



FDH-F1B

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

- Image Sensor: COMS
- Video System: NTSC (Color)
- Resolution: 600 TV line
- Minimum Illumination: 0.5 Lux
- Connector: RCA Video Output
- Effective Pixels: 768 x 494 pixels
- Viewing Angle: diagonal 170°
- Operating Voltage: 9V - 16V
- Waterproof: IP67 - Ip68
- Operating Temperature: -20°C~70°C
- Storage Temperature: -30°C~80°C



FDH-F2

Tailgate handle camera for Ford F150 Series 2015 & Newer

- Image Sensor: COMS
- Video System: NTSC (Color)
- Resolution: 600 TV line
- Minimum Illumination: 0.5 Lux
- Connector: RCA Video Output
- Effective Pixels: 768 x 494 pixels
- Viewing Angle: diagonal 170°
- Operating Voltage: 9V - 16V
- Waterproof: IP67 - Ip68
- Operating Temperature: -20°C~70°C
- Storage Temperature: -30°C~80°C



GM-DH3

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

- Image Sensor: COMS
- Video System: NTSC (Color)
- Resolution: 600 TV line
- Minimum Illumination: 0.5 Lux
- Connector: RCA Video Output
- Effective Pixels: 768 x 494 pixels
- Viewing Angle: diagonal 170°
- Operating Voltage: 9V - 16V
- Waterproof: IP67 - Ip68
- Operating Temperature: -20°C~70°C
- Storage Temperature: -30°C~80°C



GM-DH2

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

- Image Sensor: COMS
- Video System: NTSC (Color)
- Resolution: 600 TV line
- Minimum Illumination: 0.5 Lux
- Connector: RCA Video Output
- Effective Pixels: 768 x 494 pixels
- Viewing Angle: diagonal 170°
- Operating Voltage: 9V - 16V
- Waterproof: IP67 - Ip68
- Operating Temperature: -20°C~70°C
- Storage Temperature: -30°C~80°C



TOY-TAC1

Tailgate handle camera for Toyota Tacoma (2006-2015)

- Image Sensor: COMS
- Video System: NTSC (Color)
- Resolution: 600 TV line
- Minimum Illumination: 0.5 Lux
- Connector: RCA Video Output
- Effective Pixels: 768 x 494 pixels
- Viewing Angle: diagonal 170°
- Operating Voltage: 9V - 16V
- Waterproof: IP67 - Ip68
- Operating Temperature: -20°C~70°C
- Storage Temperature: -30°C~80°C



TOY-TUN1

Tailgate handle camera for Toyota
Tundra (2009-2016)

- Image Sensor: COMS
- Video System: NTSC (Color)
- Resolution: 600 TV line
- Minimum Illumination: 0.5 Lux
- Connector: RCA Video Output
- Effective Pixels: 768 x 494 pixels
- Viewing Angle: diagonal 170°
- Operating Voltage: 9V - 16V
- Waterproof: IP67 - Ip68
- Operating Temperature: -20°C~70°C
- Storage Temperature: -30°C~80°C



RAM-DH1

Tailgate handle camera for Dodge Ram
1500, 2500, 3500 (2009-2016)

- Image Sensor: COMS
- Video System: NTSC (Color)
- Resolution: 600 TV line
- Minimum Illumination: 0.5 Lux
- Connector: RCA Video Output
- Effective Pixels: 768 x 494 pixels
- Viewing Angle: diagonal 170°
- Operating Voltage: 9V - 16V
- Waterproof: IP67 - Ip68
- Operating Temperature: -20°C~70°C
- Storage Temperature: -30°C~80°C



FDH-F1C

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

- Image Sensor: COMS
- Video System: NTSC (Color)
- Resolution: 600 TV line
- Minimum Illumination: 0.5 Lux
- Connector: RCA Video Output
- Effective Pixels: 768 x 494 pixels
- Viewing Angle: diagonal 170°
- Operating Voltage: 9V - 16V
- Waterproof: IP67 - Ip68
- Operating Temperature: -20°C~70°C
- Storage Temperature: -30°C~80°C

360° SURROUND VIEW 4-CH DVR SYSTEM

RDV360 II **AVT**

360° Surround View System eliminates the blind spots for safe and easy parking experiences. 4-camera real time viewing outputs brings the viewing experiences to a higher level. In case of an accident, the DVR records and keeps evidence of how it happened and when it happened.

Real-time 4-camera video output provides the "360° Surround View" image on a video monitor, eliminating the blind spots and ensuring a safe driving experience.



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

360° Bird-view

This system adopts the "Seamless Image Junction Technology" which integrates four camera views into 360-degree surround view image of a vehicle that provides real-time video output to monitors and recording.

4CH HD Cameras

This system uses four night vision and 180° viewing angle cameras which are in high-definition with auto-aperture function that adjusts the image brightness automatically.

Cycle Recording

The "Real-time Cycle Recording System" records the 4-channel images while a vehicle is in operation using microSD (maximum 32GB) or external USB memory. When the recording time reaches the memory capacity, the system continues to record by erasing the oldest recorded information.

3-Way System Turn On Options:

1. Turns on the system by reverse trigger.
2. Turns on the system a remote control (provided).
3. Turns on the system by double press of a warning light.

SPECIFICATIONS

Image Processing Unit:
CPU: PHILIPS VICAR02
RAM: 256MB DDR2
FLASH: 32MB
Video Output: CVBS
Video System: NTSC / PAL
IR Remote: Included
Operating Voltage: DC8V-32V
Operating Temperature: -22 to +158° F

Record function

H.264 High-Definition Compression Format
Video quality: D1(720x480) P20 fps/s
micro SD card: 8GB (approx. 7 hours of recording time)
ACC ON automatic recording

Right / Left Camera



SIDE CAM™ 180°

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

Front / Rear Camera



MINI™ 180°

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

4-CHANNEL DVR SYSTEM

BVR400



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.

- Complete recording while vehicle is in motion enables accident evidence storage.
- Features an auto-trigger function with turn signals or reverse to view potential blind spots.
- Video security for vehicle when parked with a shock sensor (G-Sensor) that begins recording if impact is detected.
- Safe parking with 4-channel views and split-screen images.



Specification:

- Video Format: MOV
- Startup Record: ACC on, G-sensor
- Video Resolution: D1(720x480/30)
- Storage & Capacity: 8GB microSD (supports up to 32GB)
- Video Length: 1/3/5/ minutes
- LCD Off Delay: 3/15 sec
- Working Voltage: 9-16V



Four Channel Images with Split Screen

Right and Left Image Display with Trigger Activation



Rear and Right Image Display



The blue car's driver sees the green car through his side view mirrors but cannot see the red car without using Rydeen's BVR400 4CH DVR system or turning to check his blind spot.

ADVANCED WARNING DVR SYSTEM

PVR15W



Easily Removable for Security & Convenience



Driver Distraction is a Major Cause of Auto Accidents. Stay Focused on Your Driving with the RYDEEN PVR15W!

The PVR15W incorporates the latest technology including Optical Recognition of the road ahead of your vehicle. The PVR15W recognizes traffic lane markings and alerts the driver with an audible tone when the vehicle begins to drift off its lane without a turn signal on when traveling on freeways and main roads at speeds greater than 35 MPH. Additionally, when traveling at or above 15mph it will recognize any vehicles directly in front and warn you if they pose a hazard or are suddenly too close for safety. A video display is available with an external monitor (sold separately). These systems are designed to minimize accidents by addressing the main causes of accidents – driver errors, distractions and drowsiness. The PVR15W is designed for fast, easy installation in almost any vehicle. Calibration of the system can be completed within 10 minutes. No special training, certification, or equipment is required. This system allows you to set the level of warning, frequency and even volume of the alert tones to personalize the system in a way that works for YOU. The built-in DVR also gives you a playback of your driving, and a copy of any event you may have encountered. The system also comes with a downloadable playback program for Windows compatible computers that integrates the GPS data, your DVR recording, and mapping to give you a full recorded history for review.

MOTION SENSING DVR SYSTEM

PVR5D



- 1.5 Inch LCD Display
- Recording Resolution: 1080P / 720P
- 120-degree Wide View Angle Lens
- 1.3M Pixel HD CMOS Sensor Camera
- Cycle Recording (1 / 3 / 5 Minutes)
- Recording Event File Lock Activated with G-Sensor
- Quick Recording Start Up
- Low Voltage Shutdown (11.8v)
- Time & GPS Location Available (Optional GPS Antenna Required)
- Video Resolution: 1080P (1920 x 1080), 30fps / 720P (1280 x 720), 30fps
- Built in Motion Sensor Recording (1 / 3 / 5 Minutes)
- Built in Video output
- Video Format: MOV
- Picture Format: JPG
- 8GB microSD Included (Supports up to 32GB)



PARKING SENSORS

Rydeen parking sensor systems are designed to give you the confidence to park your vehicle in tight spaces without fear of scratches or scrapes. Element-proof sensors cosmetically blend with your vehicle and provide consistent, reliable proximity protection up to 8-feet away from the vehicle. The system engages automatically when the vehicle is put into reverse gear (rear-sensing systems) and when the brake pedal is engaged (front-sensing systems).

PLASTIC BUMPER SERIES

BL-622P



BL-422P



BF-470P



BB-420P



General Specifications

Items Included:

- Main control box
- Ultrasonic sensors (6 or 4 pcs)
- Drill bit
- User's manual (1 pc)
- Accessories
- Sensor Cable Extensions Provided

Features:

- On-screen display with separate video monitor for backup camera video in/out (except BB-400PM, BB-420P, BF-450PM & BF-470P)
- Direction indicator (on-screen display or LED display)
- Highly sensitivity sensors (up to 8-feet)
- Instantly turns on with reverse gear selection
- Paintable sensors (painting mask included)

Technical Specification:

- Rated voltage: 12V DC
- Operating range: 9 ~ 16V DC
- Rated current: 20 ~ 300 mA
- Detecting distance: 0 - 8.0 feet for flat surfaces
0 - 6.0 feet for human or uneven surfaces
- Ultrasonic frequency: 40 KHz
- Operating temperature: -22 ~ +158 °F

PLASTIC/METAL BUMPER SERIES

BL-612PM



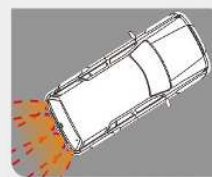
BL-412PM



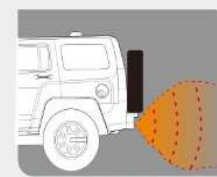
BB-400PM



BF-450PM



High Accuracy 8-foot Sensing Distance



Sensing Start Position Adjustable According to Installation Location (Not available for BL-622P/612PM)



Paintable Sensor Heads (Painting mask included)



OE Grade Wire harnesses



Internal Mounting System for OE Style Appearance (BL-622P & BL-422P)



On-Screen Distance Display (Monitor and Camera not included)
*This feature is not available for BB-400PM, BB-420P, BF-450PM & BF-470P