

RYDEEN[®]

find your road



RYDEEN
find your road

RYDEEN MOBILE ELECTRONICS
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**In-Dash Multimedia
Rearview Mirrors
GPS Navigation
Pro Grade Solutions
Advance Warning Systems
Multi-View DVR Systems
Backup Cameras
Parking Assist Systems**

2017 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

MN, MD 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 Mi-Link connection that would mirror your Smartphone's screen. 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.



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.



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.



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.



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.



The Next Level of Connected Convenience

Three 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 2017 we've enhanced our offering with the NEW DVA6! It is double DIN multimedia POWER stations utilizing the "connected" features with internal (DVA6) 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.



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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THE SMARTEST MIRROR WITH DVR...

Introducing our latest Advanced Vehicle Technology device, a 3 in 1 solution providing Navigation, DVR and Backup Camera monitor in a compact OE styled mirror. The MN450S Smart Mirror is the intelligent choice for those seeking the latest in vehicle technology and easily replaces the original mirror in most vehicles with use of vehicle specific mounts (available separately). The MN450S has a brilliant 4.3" TFT capacitive touch screen display for navigation and camera display plus a full function DVR with forward facing camera built in. Navigation mapping is provided by Sygic a global leader in GPS and features "Text To Speech". The DVR records from camera with selectable video resolution up to 1080P and includes a "G" Sensor that activates the record feature automatically when triggered by an event.

Sturdy Construction

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

Built-In Speaker

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

Front view camera:



Features:

- 4.3' High luminance TFT Display
- Resolution: 800x480 Pixel
- Multi-touch control capacitive touch screen
- DVR (Digital Video Recorder)
- Built-in GPS
- Built-in 8GB NAND Flash and 1G DDR
- G-sensor Included
- Real Time Clock
- Backup Camera Video input
- Support up to 32G micro SD card
- Built-in Speaker with MAX Power 2W



Backup view

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

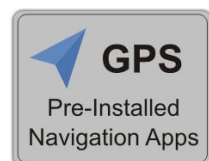
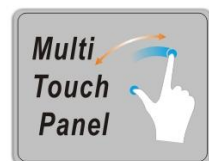


Touch-Screen Operation

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

Micro SD & SIM Card,
USB Slot:

MN450S
AVT



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 of 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.

Emergency Button*

Touch-Screen Operation

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

MN Mirror Mount Systems



Backup view

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

MD4BT REARVIEW MIRROR



MD4BT

iPhone & Android Voice Command



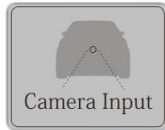
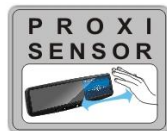
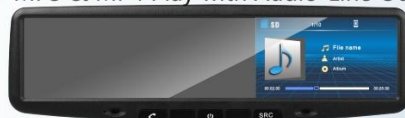
Mi-Link Connection for Mirroring



Backup Camera Auto Switching



MP3 & MP4 Play with Audio-Line Out



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

3D 360° SURROUND VIEW 4-CH DVR SYSTEM

RDV360-3D **AVT**

The 3D 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.

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
- 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: <0.01Lux
- 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



ADVANCED WARNING DVR SYSTEM

PVR15W **AVT**



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).

MOTION SENSING DVR SYSTEM

PVR8D **AVT**

- 1.5 Inch LCD Display
- 120-degree Wide View Angle Lens
- True Full HD CMOS Video Image Sensor 1/3-inch
- Recording Event File Lock Activated with G-Sensor
- Quick Recording Start Up
- Low Voltage Shutdown (11.8v)
- Time & GPS Location Available
- Video Resolution: 2304 x 1296 30fps/ 1920 x 1080 30fps / HDR1920 x 1080 30fps/ 640 x 480 30fps
- Recording Time: 16GB Micro SD :1296P / 120 min; 1080P / 140 min; 720P / 240 min
- Built in Video output
- Video Format: MOV
- Picture Format: JPG
- 16GB Micro SD Included (Supports up to 32GB)



Lane departure warning system:



When LDWS is on, car on the road with lanes, if the car departure from the lane, the system will remind driver by the warning sound and red frame in the picture.

Forward Collision Warning System :



When FCWS is on, the system will detect the distance from front car and remind the driver to be careful.



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.

- 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

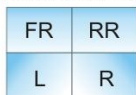


Monitor View Options

(Direct Access to Desired View with Remote Control)



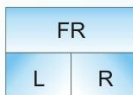
H-Split View



Quad View



2-Camera Mode



3-Camera Mode



3-Camera Mode



Left Turn Mode



Right Turn Mode



1 Camera Mode (4 options)



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.



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)

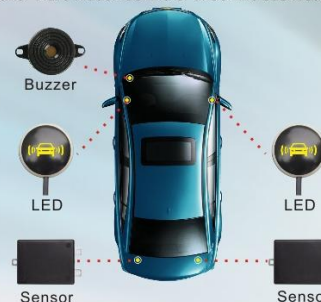


BLIND SPOT SAFETY SOLUTIONS

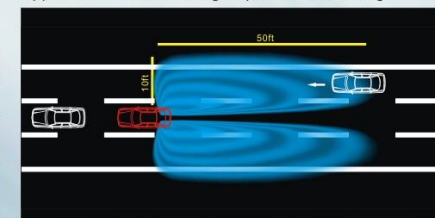
BSS1

Digital Microwave Blind Spot Detection System

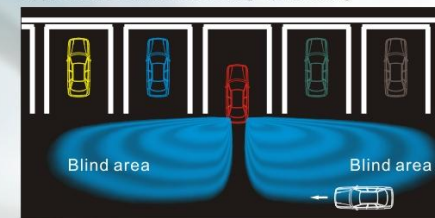
The latest addition to our AVT series of Safety and Driver Awareness products is the BSS1 Blind Spot Detection System. This Radar based system adds an extra set of eyes and warns drivers if there are any vehicles in your blind spots, before and during lane change maneuvers. Unlike other systems, it requires no drilling into bumpers. 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.



Application scenario 1: High Speed Road Driving



Application scenario 2: Backing Up / Parking



DIGITAL PARKING SENSOR

PSR4000D

Digital parking Sensor Kits



PSK4

Digital Sensor Add on Heads

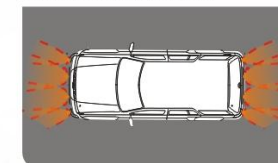


Features:

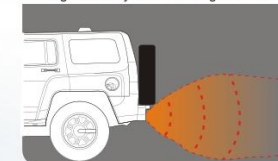
- Direction indicator (LED display)
- Highly sensitivity digital sensors (up to 8ft)
- Instantly turns on with reverse gear selection
- Paintable sensors heads (painting mask included)

Items Included:

- Main control box
- Ultrasonic sensors (4 pcs of rear sensors include, 4 pcs of front sensors as optional)
- Drill bit
- User's manual (1 pc)
- Accessories
- Sensor Cable Extensions Provided

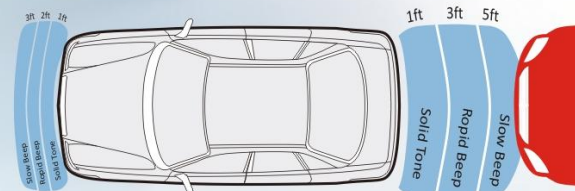


High Accuracy 8-feet Sensing Distance



Sensing Start Position Adjustable According to Installation Location

Digital Parking Sensors provide coverage behind or in front of the vehicle. When an object is detected in the scanning area the driver will be alerted inside the vehicle with the 3 distinct warning tones.



Front Sensing Requires PSK4 Package

PSK4000D Standard Package

BACKUP CAMERAS

MINY™ SUPERWIDE

Universal Mini Camera Ultra CMOS II NightVision Technology

- MINy 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)



Front Camera Application

Full view



Front view



Rear Camera Application

Rear view



Rear and Top view



Left and Right view



Left, Right and Top view



MINY CAM™ CM-APL

Active Parking Lines (Trajectory)



Specifications:

- Mini Camera with 1/3 CMOS Sensor with Night-vision™ Technology
- Engineered ABS Housing
- Resolution (TV LINES): 480
- Minimum Illumination: 0 LUX
- Viewing Angle: 170°
- Operating Voltage: 9-16V
- Water-proof: IP67
- Video System: NTSC (Color)
- Body Color: Black (B)
- Mirror Image Only
- Parking line always On (trajectory line)
- Can be mounted with BL-01
- With 8 white LEDs



BACKUP CAMERAS

MINY™ HD2

Universal Mini Camera Ultra CMOS II NightVision Technology



- Mini Camera with Ultra HD CMOS Sensor with NightVision™ Technology
- Engineered ABS Housing
- Resolution (TV LINES): 600
- 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™

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™ LED3

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: 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)

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)

BL-01

MINy Camera License Plate Bracket



Suitable for MINy Camera Series



DUO™

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 / 90° 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: <0.3Lux
- 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

Convertible 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)

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



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



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



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-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-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-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



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

OEM FIT 3RD BRAKE LIGHT CAMERAS



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



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

PRO GRADE CAMERA SERIES



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



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



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

PRO GRADE 7-INCH MONITOR



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

Professional Grade Waterproof 4-PIN Connectors (AVV)



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



DIGITAL WIRELESS MODULES

DG240 II



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 35 feet.
- 4-Pin Pig Tail Connector for MINY Camera Series.



WG-2400P II



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.
- Pro Grade Waterproof 4-PIN Connectors (Audio/Video Transmission)



Camera sold separately

IN-DASH MULTIMEDIA

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.

DVA6



REMOTE INCLUDED

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 somewhere 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.

***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.**

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.

