



RYDEEN MOBILE ELECTRONICS

2701 Plaza Del Amo, Suite 705, Torrance, California 90503 USA

Direct: 1-310-787-7880

www.rydeenmobile.com



<https://www.instagram.com/rydeenmobile/>



<https://www.facebook.com/rydeenmobile/>



<https://www.tiktok.com/@rydeenmobile>



<https://www.youtube.com/user/rydeenmobileusa>

2025

find your road



-CONTENTS

-01 SAFETY PRODUCTS

RYDEEN AHD ECO SYSTEM	01-02
Digital Mirrors	03-13
Front Facing DVR	14
Mirror Mounting Solutions	15-16
Digital Monitors	17-18
Digital AHD Cameras	19-20, 23
Analog CVBS Cameras	21-22
Digital Blind Spot Systems	24
Digital Parking Sensors	25-26
Product Line Overview	27-28

RYDEEN AHD ECO System — Unified & Expandable

Rydeen's ecosystems are adaptable and interchangeable with all AHD cameras, digital mirrors, and mounts that can seamlessly substitute for one another while functioning within defined entry limits, allowing for a mix and match approach.



RYDEEN AHD ECO SYSTEM DIAGRAM



TOMBO 360X

10-inch mirror with 360-degree camera

R-ECO



Unique 360-degree Touchscreen Video Playback

10-inch mirror DVR with TFT screen



Slim Design

Slim design for easy DIY installation



Automatic Brightness Day / Night

Auto sensing photo sensor for TFT screen brightness control



Front 360-degree Swivel Camera

The 360-degree front camera can swivel outward to use as a front facing dashcam



360VIEW

360° Rearview Mirror Touchscreen HD Dash Camera

R-ECO



360VIEW-K

360° Rearview Mirror Touchscreen HD Dash Camera & AHD Backup Camera

R-ECO



360VIEW-SPL

360° Rearview Mirror Touchscreen HD Dash Camera, AHD Backup Camera & Full Mirror Replacement Kit

R-ECO



RYDEEN 360 SERIES SMART MIRRORS COMPARISON

Specs and Features	PRO INSTALL (Recommended)		DIY SOLUTION	
	TOMBO 360X	360VIEW-SPL	360VIEW-K	360VIEW
				
Screen Size	10-inch Digital Touchscreen	10-inch Digital Touchscreen	10-inch Digital Touchscreen	10-inch Digital Touchscreen
360 Camera Resolution	360 Panorama View	360 Panorama View	360 Panorama View	360 Panorama View
USB-C Connection for External Memory Device. (SSD: 2TB MAX)	✓	✗	✗	✗
Proximity Sensor for Parking Monitoring without Physical Contact to Vehicle	✓	✗	✗	✗
G-Sensor for SOS Video Recording	✓	✓	✓	✓
Backup Camera (Waterproof Digital Camera: CM-AHD1)	✓	✓	✓	✗
Full Mirror Replacement Kit (BP1) Included	✓	✓	✗	✗
LED Indicators (Right & Left) for Optional Blind Spot Radar (Contact RYDEEN for more Details)	✓	✗	✗	✗
Hardwire Harness for Professional Install	✓	✓	✗	✗
256GB SD Card Supported (32GB Included)	✓	✓	✓	✓

* For questions, please feel free to contact us at 310-787-7880 or sales@rydeenmobile.com*



PV8

8.2-inch HD Screen Digital Mirror

Two shapes to choose from. PV8 digital mirrors give you the super bright screen with high-resolution 1080P picture quality.

R-ECO



PV8-A

R-ECO



PV8-B

Operating System // Linux

Working Power Voltage // DC12V

Power Supply Current // 1.5A

Operating Temperature // -4°F to +158°F

Display Screen // LCD size (8.2 inch) 1280*288 high brightness screen

Capacitive Touch Screen // Capacitive touch resolution 1280*288

Backup Camera // 1080P, horizontal angle 110° 30FPS, F2.0 aperture, 2million pixels



HD video real-time viewing

Support dual 1080P HD input,
AHD signal transmission



Wide dynamic image technology

Excellent wide dynamic image adjustment
technology, resulting better anti-glare
effect



Equipped with SONY sensor module

Dedicated rearview camera appearance
Metal material, physical waterproof

R10X-SPL

4K/2K Dual Camera Digital Rearview Mirror Dash Cam

R-ECO



- 4K/2K selectable HD CMOS front camera sensor with WDR (Wide Dynamic Range) technology superior light suppression and low-light compensation for clear high-resolution footage.
- IP67 waterproof 1080P rear camera equipped with Sony® CMOS sensor, supports night vision reversing images.
- Built-in WiFi for real time video playback with GPS location showing on Phone APP.
- Included GPS antenna adds automatic time setting, speed indicator, compass and track driving routes on your smart phone APP.
- Hardware-supported features provide enhanced parking assistance and round-the-clock vehicle security.
- Timelapse mode keeps monitoring your car without taking up much capacity to ensure the safety of your vehicle.





R10-SPL

Dual Camera Digital Rearview Mirror 1080P Dash Camera

R-ECO



● Mirror Replacement



● Clip-on Mounting

- 10-inch full mirror display with a high resolution of 1280*320 pixels.
- One-wire Installation for a neat setup.
- AHD ECO systems allows R10-SPL to compatible with RYDEEN AHD accessories.
- G-Sensor, parking monitoring, and loop recording for on-the-go protection.
- IP67 waterproof 1080P rear camera equipped with Sony® CMOS sensor, supports night vision reversing images.
- Optional built-out GPS antenna for automatic time setting, speed indicator and compass.
- Supports up to 256GB Micro SD Card, no worries for continuous recording.

RYDEEN R10 SERIES SMART MIRRORS COMPARISON

Specs and Features	Dual-channel Digital Mirrors	
	R10X-SPL	R10-SPL
Screen Size	10-inch Digital Touchscreen	10-inch Digital Touchscreen
Front Camera Resolution	4K / 2K	1080P
IP67 Waterproof 1080P Rear Camera (CM-AHD1)	✓	✓
G-Sensor, Parking Monitor, Loop Recording	✓	✓
Wi-Fi App Connection	✓	✗
Assistant Parking Line and 24-Hour Parking Monitoring	✓	✓
GPS Location Viewable on Smartphone APP	✓	✗
Built-in Micro SD Slot, up to 256GB	✓	✓
1280*320 Pixel Display	✓	✓
Hardwire and Mirror Replacement Mount Included	✓	✓
One-Wire Installation	✓	✓
AHD Dual Mirror Front and Rear Video Inputs	✓	✓
GPS Antenna for time, speed indicator and compass	✓	Optional
12H/24H Time Lapse Recording Function	✓	✗

* For questions, please feel free to contact us at 310-787-7880 or sales@rydeenmobile.com*

OED-01

OE Style Front DVR with AHD Video Out

R-ECO



Not Included



WiFi



AHD Output



Parking Monitor



GPS



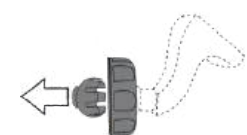
Wide Viewing Angle

- 1080P AHD high resolution recording.
- Optional proximity sensor triggers SOS videos when detecting movement to protect your vehicle under parking monitoring mode.
- Built-in WiFi for easy APP connection and GPS location recording.
- 140 degree wide viewing angle HD front camera with clear night vision.
- GPS antenna is included for automatic time setting, accurate location recording for map display with speed on APP.
- AHD ECO Systems allows OED-01 HD video output to RYDEEN digital mirrors.

Mirror Mounting Solutions

R-ECO

Original Vehicle Mirror Stems



VSM-UNI2

Universal Installation Kit for All Rydeen Mirrors



VSM-UNI

Universal Mount (VSM-A with UV-Glue and D-Tab)



VSM-A

Universal Mount-Most Toyota, Nissan, Fold



VSM-AD

VSM-A for Vehicles with Tight Clearance



VSM-AJ

VSM-J Cam Lock Style Mount for High Roof (long stem)



VSM-AN

Most Toyota, Most Nissan, and most Ford MAZDA-6 with wire cover (for M7020P)



VSM-AV

Compatible with Most Toyota, Nissan, Ford, GM



VSM-B

Windshield Mount Compatible with Most Toyota, Nissan



VSM-BMW

Compatible with 2001-2013 BMW Twist Style Mount



VSM-D

Fits Most 2007-2013 Hyundai and Kia



VSM-DN

MN mount for most Hyundai and Kia (MN mirror w/ball joint) (for M7020P)



VSM-DV

Fits most Hyundai and Kia (MV Mirror)



VSM-E

MOST VW, JETTA & AUDI



VSM-F

MN mount for Volkswagen -Passat /Jetta/Golf, Audi-A6 /A4 (MN mirror W/ ball joint) (for M7020P)



VSM-FC

Compatible with Fiat Vehicles



VSM-G

MN mount for Chrysler (MN mirror W/ ball joint) (for M7020P)



VSM-I

Windshield Mount Compatible with Volkswagen



VSM-L

Fits Smart Car



VSM-X

Compatible with 2014+BMW Mount for Windshield



D-TABV1

D-Tab Metal for Windshield



VSM-GS

Cam Lock Style Mount



VSM-J

Compatible with Chrysler, Dodge and Ford Transit



VSM-M

Fits Smart Car



MV-ADAPTOR

MV-mount adaptor (Backpack only for adapting factory stem to our Mirrors)



MS1

Mirror Mount Spacer for Transit & Sprinter



VSM-H

Compatible with Mercedes Sprinter with Ball Mount



VSM-K

Smart Mount (MV Mirror with ball joint)



VSM-MBZ

Mercedes Benz Headliner Mount



MN-ADAPTOR

MN-mount adaptor (Backpack only for adapting factory stem to our Mirrors)



MA1

Mirror Mount Adaptor for Transit & Sprinter



VSM-HS

Sprinter mount (MN mirror W / ball joint) (for M7020P)



VSM-KS

Sprinter Mirror Mount



VSM-VW

Compatible with Volkswagen



VW-ADAPTOR

Fits Volkswagen vehicles to adapt Regular Mount

M7000 AHD Monitor

7-inch Stand Alone Backup AHD Monitor

R-ECO



Screen Size// 7-inch LCD

Display Aspect// 4:3 & 16:9

Video System// NTSC / PAL

Video Format // AHD / CVBS

Operation Temperature// -10°C to + 60°C (14°F to 149°F)

Storage Temperature// -30°C to + 80°C (-22°F to 176°F)

Video Input // 2 Sources Input (Aux input 1, Back-Up Camera Input 2)

Resolution// 1023*600 IPS

Color// RGB

Voltage Input// DC 9-16V

Brightness// 800cd/m²

BM500S Monitor

5-inch Stand-Alone Backup Monitor



Screen Size// 5-inch LCD

Display Aspect// 4:3 & 16:9

Video System// NTSC / PAL

Operation Temperature// -10°C to + 50°C (14°F to 122°F)

Storage Temperature// -30°C to + 70°C (-22°F to 158°F)

Video Input // 2 Sources Input (Video input 1, Back-Up Camera Input 2)

Resolution// 800 x 480 Pixels

Color// RGB

Voltage Input// DC 9-16V

Digital AHD Cameras

R-ECO



CM-AHD1000P/W

Sensor//	SONY IMX307-LQR	Power Voltage//	5V
Resolution//	1920*1080	Video Output Signal//	AHD
Frames//	30fps	Image//	Mirror Image(default)
Min Illumination//	< 0.1 Lux	Water Proof//	IP67
Viewing Angle//	D 140°, H 118°, V 61.5°(±5°)		
Camera Lens Construction//	2G+4P+1IR		

R-ECO



CM-SIDE AHD

Sensor//	1/4" G25-R CMOS	Power Voltage//	5V
Resolution//	1920*1080	Video Output Signal//	AHD
Frames//	30fps	Image//	Standard Image
Min Illumination//	< 0.1 Lux	Water Proof//	IP67
Viewing Angle//	H 150°, V 85° (±5°)		
Camera Lens Construction//	4G		

Sensor//	CMOS PC568	Power Voltage//	12V
Resolution//	1920*1080	Video Output Signal//	AHD
Frames//	30fps	Water Proof//	IP68
Image//	Standard Image (Default)		
Min Illumination//	0.1 Lux (day), 0 Lux (with IR)		
Viewing Angle//	D 155°, H 125°, V 85°(±5°)		
Camera Lens Construction//	5G+1IR		

R-ECO



CM-AHD1

Sensor//	SONY IMX307-LQR	Power Voltage//	5V
Resolution//	1945*1097	Video Output Signal//	AHD
Frames//	30fps	Image//	Standard Image
Min Illumination//	< 0.1 Lux	Water Proof//	IP67
Viewing Angle//	D 170°, H 130°, V 72°(±3°)		
Camera Lens Construction//	2G+2P+1IR		

R-ECO



CM-SIDE2 AHD

R-ECO



CM-AHD2

Sensor//	SONY IMX307-LQR	Power Voltage//	5V
Resolution//	1945*1097	Video Output Signal//	AHD
Frames//	30fps	Image//	Standard Image
Min Illumination//	< 0.1 Lux	Water Proof//	IP67
Viewing Angle//	D 170°, H 175°, V 94°(±5°)		
Camera Lens Construction//	6G+1IR		

R-ECO



CM-V90 AHD

Sensor//	SONY IMX307-LQR	Power Voltage//	5V
Resolution//	1920*1080	Video Output Signal//	AHD
Frames//	30fps	Image//	Standard Image
Min Illumination//	< 0.1 Lux	Water Proof//	IP67
Viewing Angle//	D 130°, H 107°, V 55°(±3°)		
Camera Lens Construction//	4G+2P+1IR		



Analog CVBS Cameras



CM-HD5



CM-HD4



CM-DUO3HD



CM-LED4



CM-MINy5



CM-MINy3



CM-LIP4



CM-CKH5



CM-D700



CM-SIDE



CM-R1000P/W



CM-APL5

Accessories

R-ECO



BL01

Universal License Plate Bracket

R-ECO



JB01

Jeep Wrangler Bracket

R-ECO



BRK01

Mounting Brackets for MINy Style Cube Cameras



CM-SWITCHER

Analog CVBS Video Switcher



- Made for Rydeen Dual Blind Spot and Reverse Camera to In-dash Multimedia Units
- Multiple Cameras / Trigger Inputs
- 1 Video output and included 12V trigger output
- Works with OE or aftermarket radio (OE requires interface)
- Priority override for backup camera signal (Video 2)
- Provide reverse camera output trigger for aftermarket radios/screen

CM-D700 AHD (AHD Digital Video Switcher)

AHD Digital Switcher and Side Camera Combo

R-ECO

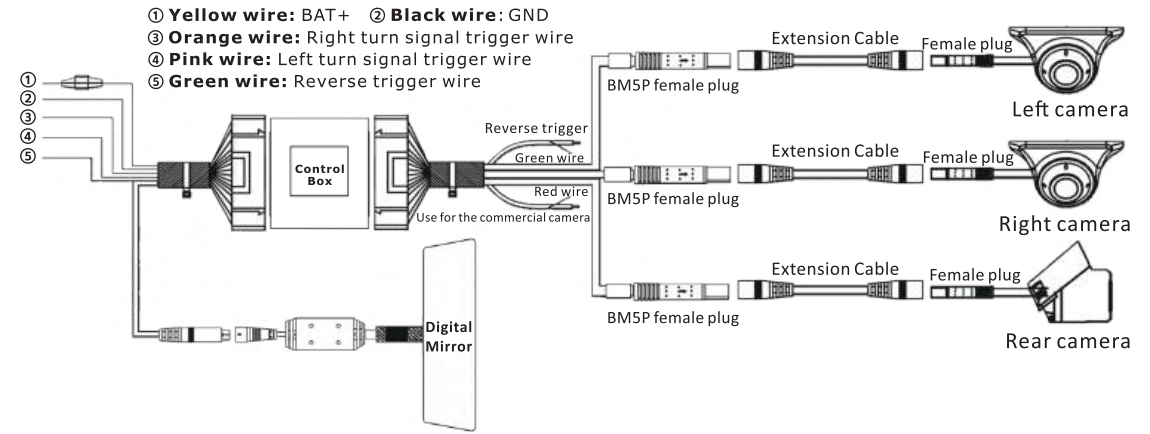


CM-AHD Switcher



CM-SIDE AHD

Wiring Diagram



- 3-IN-1-OUT video switcher supports 1080P AHD signal format.
- Camera inputs controlled by right / left / reverse triggers.
- The default display is the rear view, side cameras only work after being triggered.
- Switcher side cameras will not record under parking monitoring sleep mode.
- Supports both 5V rear camera and 12V commercial AHD camera which can work to record SOS videos.

Digital Blind Spot Systems



BSS2LPB

- High Accuracy Digital Microwave Radar Technology
- Two color options for LED indicators for visual alerts
- Buzzer speaker for audible alerts
- GPS Antenna Included for Speed Sensing
- No drilling required
- Not applicable with metal bumpers (See BSS2LPB)
- Cross Traffic Alerts while Reversing



BSS3

- High Accuracy Digital Microwave Radar Technology
- Two LED indicators for visual warning
- Buzzer speaker for audio warning
- GPS Antenna Included for Speed Sensing
- No drilling or removal of bumper required
- Applicable for metal bumper vehicles (pickup trucks)
- Cross Traffic Alerts while Reversing
- Works On All Types Of Vehicles: Trucks, Cars, Vans,
- Commercial Vehicles

Digital Parking Sensors



PSR4000

- Direction/Distance LED indicator w/ built-in buzzer
- Hideaway adjustable speaker
- Highly sensitive digital sensors
- Instantly turns on with reverse gear selection
- Brake pedal for front activation (20second count down relay)
- Paintable sensors (painting mask/table included)
- Applicable in Metal or Plastic Bumpers
- Optional 12V Louder Speaker (BUZ004)

- Add on Digital Sensors for PSR4000 Kit (4 pieces)
- Short and Long Extentions Provided
- Holesaw Included (0.74 inch)
- Paintable sensors (painting mask/table included)
- 0,4,10 degree angle couplers for angled bumpers
- Applicable in Metal or Plastic Bumpers



PSK4



GPS4000

- Allows the front sensors to operate at speeds 5MPH or lower
- Automatic speed detection by GPS
- Adding a switch no longer needed and consumers will not have to worry about turning the system ON when pulling into a parking space in low speed
- Also avoids unnecessary alarms when driving on highways
- Simple 4 wire hook-up will require power, ground and brake wire connections
- An optional part for the PSR4000 digital parking sensor and PSK4 add-on kits when used as front sensors



BUZ04

- Increased sound output using higher voltage (12V) input.



SPK04

- Replacement Speaker



LED04

- Replacement LED Indicator

Monitor Solutions (Page 03-13, 17-18)



Digital AHD Cameras (Page 19-20, 23)



CVBS Analog Cameras (Page 21-22)



Front Facing DVR (Page 14)



Accessories (Page 21)



Mirror Monitor Mounts (Page 15-16)



Digital Parking Sensors (Page 25-26)



Digital Blind Spot Radars (Page 24)





rydeenmobile.com

RYDEEN[®]