

360° System

inView 360° HD Around Vehicle Monitoring System

RVS-01-360

The inView 360° HD is an Around Vehicle Monitoring System that greatly reduces blind spots by giving drivers a real-time 360° view around the apparatus. The RVS-01-360 is equipped with 4 Full HD ultra-wide fish-eye cameras, which give you four unique views that seamlessly merge together to create a complete image of your vehicle and its surroundings. Use the 360° view to assist with parking, check blind spots, or navigate narrow roads. A truly HD system, the RVS-01-360 easily integrates with our 7" or 10" HD monitor. The system features a Built-In DVR that records all cameras individually, making it great for insurance purposes.



■ Full Around Vehicle Monitoring (AVM)

The standard system consists of four cameras to provide a 2D, four camera stitched-around-vehicle view (top view). The system is capable of connecting another 1-2 cameras to monitor other areas. All connected cameras are recorded.

■ OUT-OF-THE-BOX RECORDING

The system features solid state recording in HD and unlike most around vehicle monitoring (AVM) systems on the market, there is no need to split video signals and feed to a DVR system.

■ AUTOMATIC TRIGGERS

Set triggers to have the camera view change automatically (left/right/reverse/default).

■ CUSTOMIZABLE ON SCREEN OVERLAY

Customize the width, length, and position of the overlay for specific applications.

■ LARGE STORAGE CAPACITY

Records onto 4 solid state storage SD cards, 256 GB each, for a total storage capacity of 1TB.

■ ADVANCED FEATURES

The RVS-01-360 has a built-in G-Sensor, and is equipped with GPS and WiFi.

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System Components:



Electronic Control Unit (ECU)
Front Cover Removed



Electronic Control Unit (ECU)
with Front Cover



Ultra-wide Camera with Housing (x4)



Passive CVBS Splitter



External Wi-Fi Antenna



External IR Sensor



External GPS Receiver



Push Button
(x3, Red, Green, Black)

System	
Operating Voltage	8 VDC to 32 VDC. Reverse polarity protection on power
Operating Temperature	-20°C to 70°C
Storage Temperature	-40°C to 85°C
Self-Diagnostics	On boot. LED indicators, on-screen indicators
Views:	Top View, 2D stitched around vehicle view / Front / Reverse / Left / Right
	Top view combined with one of the following views Front / Reverse / Left / Right
	Auto-switched based on external signal triggers: Left / Right / Reverse Signals
	Manual-switched with an external push button
	Instantaneous reverse view after engine ignition and reverse gear engaged
Bulk Calibration	Supported
Trigger Signal Voltage	6 to 32 VDC
Video Download¹	Via Wi-Fi
Configuration	Via IR, via Wi-Fi, via monitor (touch screen or mouse driven)
Video Recording	Supported; continuous
Frame Rate	1080p @30fps NTSC, @25fps PAL; all channels
Compression/Encoding	H.264
Storage²	Up to 4 SD cards in series; max capacity 256 GB for a total of 1TB max system storage.
Monitor	Supports 720p (CVBS) and /or 1080p (HD); touch screen capable
Video Streaming	RTSP support via ethernet
Vehicle Image Library	Editable
	Preloaded with 8 vehicle types

ECU	
Enclosure	Enclosure: die-cast aluminum ADC12; lockable / removable front cover (metal).
Video Outputs	1080p / CVBS, 2 ports
Video Inputs	Up to 6; 4 cameras to provide top view, 2 spare channels
Trigger Signals	Left / Right / Reverse / Panic (event marking), 6-32VDC @ 0.12 to 0.63 mA.
Camera Port Impedance	75 Ω
Video Output Port Impedance	75 Ω
GPS	<28mA @ 3.3V
Dimension	135 x 120 x 40 mm; 5.8 x 6.8 x 1.5 in
IR Sensor	3m extension
Camera	
Enclosure	Die-cast aluminum ADC12 with a 304 stainless steel bracket; IP69K-rated
Dimensions	52 x 42 x 40 mm; 2.0 x 1.7 x 1.6 in (approximate)
Sensor	2.9 mega-pixel CMOS
Power	ECU-supplied
Voltage	12VDC @65 mA
Focal Length	2.8mm
Field of View (FOV)	130° (V) x 190° (H)
SNR	>80dB
Other	
G-Sensor	Equipped; Built-In
GPS	External Receiver
Wi-Fi	External antenna; 802.11 b/g/n/ac
Language	English / French / German / Dutch
Units of Measure	Metric / Imperial
Ports	USB / RS232C / RS485 / Can Bus
Homologation	FCC / EMark / CE
Video Player	HD Player (native) - with routing information H.264 compliant - without routing information Recorded video selectable/filterable by event types