360° System

inView 360° HD Around Vehicle Monitoring System

CXS-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 CXS-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. The CXS-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. The latest version of the inView 360° comes with auto-calibration, the entire calibration process can be done in as little as ten minutes!

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

■ 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.

■ AUTO CALIBRATION

Calibration is performed simply and easily, directly through the system monitor.

■ ADVANCED FEATURES

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

■ INSTANT REVERSE

The system activates the rear camera image with 2 seconds of ignition, enabling FMVSS-111 compliance.

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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)

7"/10" HD Monitor (optional)

System	
Operating Voltage	8 VDC to 32 VDC. Reverse polarity protection on power
Operating Temperature	-20ºC to 70ºC
Storage Temperature	-40ºC to 85ºC
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 Download[1]	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
Storage[2]	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 / CBVS, 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 x1.5 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)	130º (V) x 190º (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

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