

# InView 360HD™

## See the full Perimeter View around your Vehicle

See the entire perimeter of your vehicle during low speed maneuvers using image overlay and instantaneous reverse view to help reduce the danger of hitting parked vehicles and other obstacles.



### 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 can be recorded.

### Instantaneous Reverse View

Reverse view is available immediately after engine ignition and when vehicle operator has shifted into reverse gear (before the system is fully initialized). Extra hardware option which also includes an AHD monitor, is required.

### Other Meta-Data

The GPS receiver and built-in G-sensor provide other meta-data automatically captured by the recorder.

### 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 Antenna



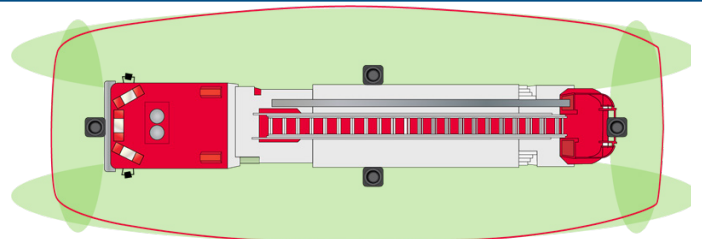
Push Button  
(x3, Red, Green, Black)

1.877.630.7366  
[safefleet.net](http://safefleet.net)

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# InView 360HD™

## See the full Perimeter around your Vehicle



*Illustration displays 2D stitched image*

*The four live images are combined. The overlapping corners are automatically blended and stitched, providing an around vehicle view with minimal blind spots.*

System	
<b>Operating Voltage</b>	8 VDC to 32 VDC. Reverse polarity protection on power
<b>Operating Temperature</b>	-20°C to 70°C
<b>Storage Temperature</b>	-40°C to 85°C
<b>Self-Diagnostics</b>	On boot. LED indicators, on-screen indicators
<b>Views:</b>	Top View, 2D stitched around vehicle view / Front / Reverse / Left / Right or Top View combined with 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
<b>Calibration</b>	Supports manual, Wi-Fi, Auto and on-screen modes
<b>Trigger Signal Voltage</b>	6 to 32 VDC
<b>Video Download<sup>1</sup></b>	Via Wi-Fi
<b>Configuration</b>	Via IR, Wi-Fi, monitor (touch screen or mouse driven)
<b>Video Recording<sup>2</sup></b>	Supported; continuous
<b>Frame Rate</b>	1080p @30fps NTSC, @25fps PAL; all channels
<b>Compression/Encoding</b>	H.264 (2 Mbps / 4 Mbps compression modes)
<b>Storage<sup>3</sup></b>	Up to 4 SD cards in series; max capacity 256 GB for a total of 1TB max system storage.
<b>Monitor</b>	Supports 720p (CVBS) and /or 1080p (HD); touch screen capable. Optional 7" Monitor (HDM_7IN), sold separately.
<b>Video Streaming</b>	RTSP support via ethernet
<b>Vehicle Image Library</b>	Editable and Preloaded with 8 vehicle types

<sup>1</sup> Subject to transmission conditions

<sup>2</sup> Use of the recording feature is not recommended. It is recommended that Customers use a compatible Safe Fleet external DVR system.

<sup>3</sup> SD cards sold separately. Recommended: Class 10

Compression Modes	Video Clip File Size Guidelines	Recording Length (hrs)	
		128 GB	256 GB
2 Mbps	4.3 GB / 4 Cameras / hr	30 hours	60 hours
4 Mbps	8.5 GB / 4 Cameras / hr	15 hours	30 hours

These guidelines are subject to compression variations. Data can be extrapolated for other SD sizes.

### 1095-InView360°HD-SS-TR-020320

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

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