

inView 360 HD™

See and record the view of the full perimeter around your vehicle



inView 360 HD is a revolutionary Around Vehicle Monitoring System that eliminates blind spots by giving drivers a real-time 360-degree view around the apparatus. The full HD ultra-wide cameras give you four unique views allowing the operator to easily see pedestrians and obstacles in close proximity to the apparatus or vehicle.



Key Features & Benefits

- 1080p video output enables you to view and record high definition video.
- Built-in DVR securely records "all connected cameras" individually making it great for insurance purposes when used in legal proceedings. Can be added to additional DVR system without the need to split video signals and feed.
- Selectable "on screen overlay" allows the user to set the width, length, and position of the overlay for their specific apparatus. Saves valuable time when deploying outriggers, water dumps, tool boards or filling water tank vehicles.
- Adjustable blend lines eliminate blind spots
- 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. Optional STD and HD monitors are available.
- Now available six camera Full Around Vehicle Monitoring (AVM). Six camera stitched view-around-vehicle view (top view). All connected cameras are recorded. Optional STD and HD monitors are available.
- Second view switches automatically between front, left, right and reverse when triggered by vehicle controls.
- ECU includes built in GPS, accelerometer and Wi-Fi.
- Instant Reverse - The system activates the rear camera image with 2 seconds of ignition, enabling FMVSS-111 compliance.

PN SNB100-C00 System Components



Electronic Control Unit (ECU)
with Lockable Front Cover



Electronic Control Unit (ECU)
Lockable Front Cover Removed



Ultra-wide 1080p Camera
with Housing (4-6)



Standard Definition Splitter
Cable (If Needed)



External Wi-Fi Antenna



Remote Control



External IR Sensor



External GPS Receiver



Push Button
Screen View Controls

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FRC
A Safe Fleet Brand

inView 360 HD™

Specifications

System	
Operating Voltage	8 VDC to 32 VDC. Reverse polarity protection on power
Operating Temperature	-4F to 160F (-20°C to 70°C)
Storage Temperature	-40F to 185F (-40°C to 85°C)
Self-Diagnostics	On boot. LED indicators, on-screen indicators
Views:	Top View, 2D stitched around vehicle view / Front / Rear / Left / Right Auto-switched based on external triggers: Left / Right turn signals, Drive / Reverse Manual-switched with an external push button for overall view Instantaneous reverse view after engine ignition and reverse gear engaged.
Trigger Signal Voltage	6 to 32 VDC
Video Download	SD Card
Configuration	Via IR, via Wi-Fi, via monitor (mouse driven)
Video Recording	Supported, continuous
Storage*	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
Vehicle Image Library	Editable Preloaded with 8 vehicle types

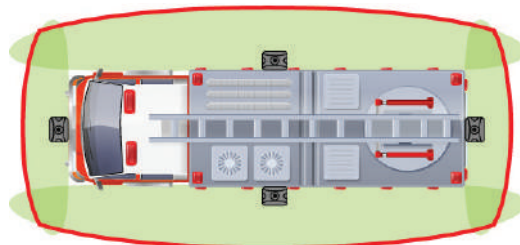
ECU	
Enclosure	Enclosure: die-cast aluminum ADC12; lockable/removable front cover (metal)
Video Outputs	1080p / CBVS, 2 ports
Video Inputs ⁽¹⁾	Up to 6
Frame Rate	1080p @30fps NTSC, @25fps PAL; all channels
Compression/Encoding	H.264
Trigger Signals	Left / Right / Reverse / Panic (event marking), On Screen Overlay
Trigger Voltage	6-32VDC @ 0.12 to 0.63 mA
Camera Port Impedance	75 Ω
Video Output Port Impedance	75 Ω
GPS	<28mA @ 3.3V
Dimension (W x L x D)	5.8 x 6.8 x 1.5 inches (135 x 172 x 40 mm)
IR Sensor	External with 9.8ft (3m) extension

* SD Card Sold Separately

(1) 4 x video inputs for 360 HD View, 2 x video inputs to monitor other areas on the apparatus.

Camera	
Enclosure	Die-cast aluminum with a stainless steel bracket
Dimensions	2.0 x 1.7 x 1.6 inches (52 x 42 x 40 mm)
Sensor	2.9 mega-pixel CMOS
Power	ECU-supplied
Voltage	12VDC @65 mA
Lens Focal Length	2.8mm (Glass)
Field of View (FOV)	130° (V) x 195° (H)
SNR	>80dB
Ingress Protection	IP69

Other System Specifications	
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 / CanBUS
Regulatory	FCC / EMark / CE
Channels⁽¹⁾	4 to 6 channels
Player	HD Player (native) - with routing information H.264 compliant - without routing information. Recorded video selectable/filterable by event types



The four or six live images are combined, blended and stitched capturing all surrounding area including blind spots of the vehicle

inView 360 HD Kit

Part Number:	Description
SNB100-C00	inView 360 HD Kit

Optional System Components

Part Number:	Description
SNB100-C10	Calibration Kit
SNBOption-MH0	7" (178mm) HD Monitor
SNBOption-MH1	10.1" (257mm) HD Monitor
SNBOption-MS0	7" (178mm) STD Monitor
SNBOption-MW0	7" (178mm) STD Waterproof Monitor

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