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.
- 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.
- Second view switches automatically between front, left, right and reverse when triggered by vehicle controls.
- DVR includes built in GPS and accelerometer.

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)

Standard Definition Splitter Cable (If Needed)

Remote Control

External IR Sensor

External GPS Receiver

Push Button Screen View Controls

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inView 360 HD™

Specifications

System

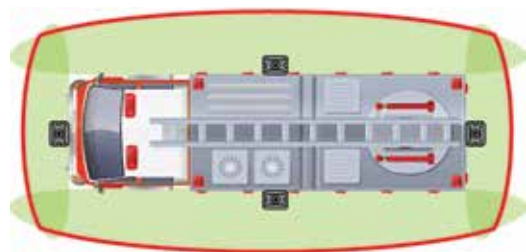|	
Operating Voltage	8 VDC to 32 VDC. Reverse polarity protection on power
Operating Temperature	-4F to 160F(-20°C to 70°C)
Storage Temperature	-40F to 185F(-40°C to 85°C)
Self-Diagnostics	On boot. LED indicators, on-screen indicators
Views:	Top View, 2D stitched around vehicle view / Front / Rear / Left / Right
	Auto-switched based on external triggers: Left / Right turn signals, Drive/ Reverse
	Manual-switched with an external push button for overall view
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
Regulatory	FCC / EMark / CE
Channels [(1)]	4 to 6 channels
Player	HD Player (native) - with routing information
	Recorded video selectable/filterable by event types

The four 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" HD Monitor
SNBOption-MH1	10.1" HD Monitor
SNBOption-MS0	7" STD Monitor
SNBOption-MW0	7" STD Waterproof Monitor

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