Visibility Safety Solutions
VIDEO, RECORDING & TELEMATICS SYSTEMS

Get the whole picture.

inView | DS2 | TrueSight

FRC
A Safe Fleet Brand

YOUR SAFETY. OUR MISSION.
FRC - BUY WITH CONFIDENCE

Two market-leading companies; FRC and Seon, combined forces under the Safe Fleet umbrella to offer the fire and emergency industry with video and recording product solutions tailored to meet your unique needs. Seon has been the industry-leading provider of video and recording products for transportation vehicle applications (such as school and transit buses) since 1999. FRC has been providing the fire and emergency market with innovative products and unmatched customer support since 1968. Combining Seon’s technology and technical support with FRC’s industry knowledge and customer support network will provide you with the right products and right support - you can trust in the expertise of all Safe Fleet companies.
The inView Series of Video Products offers Visibility Safety Solutions.

★ Safety ★ Liability Protection ★ Asset Protection

VIDEO EVERYWHERE!
The inView series of video, recording and telematics incorporates state-of-the-art technology for emergency apparatus. Our unique, customizable packages deliver increased safety, provide protection from potential liabilities and offer advanced vehicle tracking capabilities. FRC offers unmatched video options, from single camera systems to 360° bird’s-eye view, recording, and automatic data download via wifi or live cellular viewing. Make sure your apparatus is equipped with inView’s state-of-the-art safety technology. Your Safety. Our Mission.

CUSTOMIZE THE SYSTEM THAT’S RIGHT FOR YOU
inView 360™ Increases visibility surrounding the apparatus providing the operator with a 360° bird’s-eye view. In addition, the split screen monitor also displays one of four individual camera views automatically, dependent on driving operation; front, right, left or reverse.

inView Guardian™ Provides complete video and data recording capabilities while also offering vehicle tracking via GPS and event marking. Video are provided through four high definition cameras located on each side of the apparatus. Video downloads can be viewed via software by manually removing storage devices or automatically through wifi capabilities and options.

inView DS2 Compact and cost effective two camera vehicle event recording device designed to capture video through a forward facing camera and additional interior camera for driver/passenger safety. Robust construction of commercial-grade hardware and solid-state recording yet small enough to fit in the palm of your hand. Intuitive video playback software included.

inView TrueSight™ Boost your visibility and eliminate blind spots with flexible video packages that can be configured to meet any need. Choose the number of cameras and monitors to meet your requirements. Available in wired and wireless to easily accommodate new and retrofit installations. Many mix and match options all at a competitive price.*

Choose inView to navigate tight roads. Easily back up into narrow parking bays. Maneuver into compact parking spaces.

*Go to www.fireresearch.com and look under the specific product pages for downloadable preferred product specs.
The inView 360™ provides the apparatus driver with split screen view. The bird’s-eye view is always visible providing a 360° view around the vehicle. This unique view allows the operator to see pedestrians and obstacles in close proximity to the apparatus or vehicle. The second view on the display switches between a front/left/right/rear view depending on the operational conditions. The system is networked between the turn signals and vehicle reverse so the screen automatically switches to left, right, and rear view when turning or backing up. An in-cab toggle switch allows the operator to override the default camera view for complete control over the system.
A NEW LEVEL OF SAFETY

inView 360 is an around vehicle monitoring system that eliminates blind spots by giving drivers a real-time 360 degree view around the vehicle. Four cameras are strategically placed around the vehicle to capture a 195° ultra-wide angle view of each side of the vehicle. These four views are blended and stitched together in an Electronic Control Unit (ECU) and then displayed to the driver in real-time as a single image on the display.

Wide Angle Cameras
Four cameras deliver a clear, crisp high-definition image.
- Die cast aluminum housing
- Dimensions: 2.4” x 1.9” x 2.0”
- Operating Temperature: -22° - +158°F
- Rating: IP67

ECU - Electronic Control Unit
Blends all views and presents them to driver in a real-time image.
- Dimensions: 6.3” x 1.3” x 4.5
- Mounting Bracket included
- 9V-36V
- Operating Temperature: -22° - +167°F

OPTION - Video Monitor
High resolution 7” Monitor
- High resolution display
- Built in power supply
- Compact and Lightweight

OPTION - Trooper DVR
5-channel high-definition DVR
- 4 channel plus 1 channel HD
- Built in GPS, G-force & Panic Button
- Supports Geo-fencing

SNA-100 Package includes:
(1) Front camera
(1) Rear camera
(2) Side cameras
(1) Controller
(1) Cable kit
(1) Toggle switch

OPTIONS -
Video Monitor
Trooper DVR

Four cameras placed around the apparatus capture a 195° ultra-wide angle view of each side of the apparatus.
CAPTURE BOTH VIDEO AND TELEMETRICS DATA

The inView Guardian™ captures both video and telematics data. Four long range cameras are used to provide a large area of video coverage of what is happening around the vehicle. The front camera is a HD camera providing excellent zoom capability to capture clear license plate information. This helps ensure you capture events leading up to any incident. In addition, video, speed, location and date/time information are captured through GPS and internal clock. The G-Force sensor captures impacts and hard braking information and all the data is stored on an internal memory which can be downloaded for PC viewing.

Trooper 5-channel high-definition DVR

- Record up to 4 Video Channels with Audio Plus 1 High-Definition Channel
  30 FPS on all channels simultaneously (720 x 480 on analog channels; premium image quality at 1280 x 720 on HD channel)
  Wifi & cellular communication packages available

- Plenty of Recording Space
  Up to 500GB of main storage (HDD), and 32GB of backup storage on an SD card (2nd stream recording)

- Built-in GPS, G-Force Sensor and Panic Button

- Supports Geo-fencing
  Delivers alerts when a vehicle deviates from a geographic boundary and the system will automatically locate any available video from that date and location

- Compact, Integrated Lock-box Design
  Quick and easy installation and enhanced security

High Definition Cameras

A ground breaking development in mobile camera resolution, this next-generation camera uses progressive scan technology to deliver a clear, crisp high-definition image with up to 6x the resolution of a typical analog camera.

- 720p / 1080p / 3MP (selectable) progressive scan resolution
- 8mm lens for wide-angle to telephoto coverage
- Local video out connector for quick set up of field of view and focus of camera
- Rugged, IP67 weather-proof, anti-glare and vandal resistant housing

Side and Rear Cameras

The rear vision system allows a driver to monitor events in difficult to see areas in and around the vehicle in real time. A programmable multi-view monitor increases safety and can help prevent costly rear-backing accidents resulting in costly insurance claims.

- Programmable multi-view LCD monitor for easy viewing
- Rugged, outdoor-rated rear vision camera
- Infrared technology for improved night vision

OPTION - Interior Dome Camera

- Compact, Infrared LED, tamper proof camera

SNA-250 Package includes:

- (1) Trooper DVR
- (1) Front HD progressive scan camera
- (1) Rear - day / night 650 TVL camera
- (2) Side - day / night 650 TVL camera

OPTIONS -

- vMax View software
- vMax Commander software
- Interior Dome Camera
OPTION  vMAX VIEW HARD DRIVE SOFTWARE

This easy-to-use software simplifies the viewing, archiving and retrieval of video allowing for easy searching by video clip, alarm, date and time (even GPS location). Secure key details about incidents, or pinpoint the exact time and location of an apparatus. Plus, create archives for video evidence while maintaining privacy with our innovative blurring feature.

- **See What Happened - and When**
  Video synchronized with vehicle telemetry data, such as GPS location, vehicle speed, turn signals and G-force reports.

- **Simple Video Navigation**
  Easy-to-use play, forward & rewind buttons, and timeline with zoom and scroll.

- **Map-based Video Search**
  Don’t know the time of an incident? Simply select an area on the map where the incident occurred, and the system will automatically locate any available video from that.

OPTION  vMAX COMMANDER VIDEO & DATA MANAGEMENT SOFTWARE

vMax Commander efficiently manages all on-board video surveillance systems through a single web-based application. A convenient, user-friendly dashboard gives you a view of all of your video-related activities including alarms, video downloads, system health status, and connected vehicles. When combined with Smart-Reach, video with marked events can be automatically downloaded from an apparatus as it enters the station and is ready for viewing from a central location - eliminating the hassle and labor involved in retrieving video footage.

- **Hassle-free Video Retrieval**
  Eliminate hard drive handling costs and free up labor resources with automatic video downloading.

- **Monitor Video System Health**
  Monitor the status of your on-board video systems in a convenient at-a-glance dashboard of video health status, downloads and alarms.

- **Web-based Video Management**
  Now you can manage your video surveillance system from anywhere with no software to download or devices to configure.

- **Quick & Easy Video Location**
  Find critical video evidence in seconds with geographic and zone-based map search.

- **Advanced Reporting**
  Web-based access to user accounts and system health reports. Control access to critical video by restricting and assigning permissions.

- **Advanced DVR Health Status**
  Monitor and report on camera system health right down to individual camera loss.

- **View GPS Tracks**
  View GPS tracks on a map, with detail in 2 second intervals, without having to download video - ideal for route adherence or incident investigation.

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SNA-004 Package Includes:
(1) Hard Drive Docking System
(1) Software CD

SNA-003 Package Includes:
Web-based application
5-user license
OPTION  SMART REACH WIRELESS WIFI ACCESS FOR vMAX COMMANDER

Smart-Reach technology is an effective industrial-grade wireless solution for apparatus video surveillance. Smart-Reach WiFi gives you the ability to download surveillance video automatically over a WiFi network when the apparatus returns to the station house, making video surveillance retrieval virtually hassle-free. Access live video from anywhere, using a mobile device or web browser, so you can quickly and more effectively respond to emergency situations.

• **Automatic WiFi Video Downloading**
  Working in combination with vMax Commander surveillance management software, Smart-Reach WiFi provides a robust wireless infrastructure for automated video downloading.

• **Secure, Industrial-grade WiFi**
  A truly robust wireless solution built for mobile applications.

• **Reliable Video Downloading**
  Sufficient strength, signal and bandwidth for efficient and reliable downloading.

• **Mobile Wireless Bridge (one per apparatus)**
  This mobile wireless bridge allows you to connect to Trooper DVR and retrieve data over a wireless LAN with simplicity and security.

• **Wireless Receiver Access Point (one per apparatus)**
  This industrial-grade wireless access point delivers scalable and seamless wireless access when and where you need it.

SOFTWARE OPTIONS

SNA-002 Package Includes:
- Wireless Bridge Access Point
- Wireless Receiver

OPTION  SMART-REACH CELLULAR ACCESS FOR vMAX COMMANDER

Smart-Reach cellular access lets you access live video from anywhere, using a mobile device or web browser, so you can quickly and more effectively respond to emergency situations.

• **Stream Live Video**
  When connected to a Trooper DVR, the Smart-Reach router will securely transmit live video and tracking data over your network for easy viewing on your desktop, mobile device, or even integrated with apparatus routing software.

• **Secure, Connectivity**
  IPSec industry standard protocol and data encryption protect sensitive data when transmitted over your network.

• **Access Live Video From Anywhere**
  Tap in securely to live video from anywhere with an Internet connection.

• **Smart-Reach Cellular Router**
  This intelligent wireless router allows you to connect to the Trooper DVR and transmit video and tracking data securely over the cellular network.

Contact the factory for cellular options.
TWO-CAMERA VEHICLE MONITORING AND RECORDING SAFETY SYSTEM

The inView DS2 combines high-definition video recording, apparatus telematics and vehicle operating data to produce a compact, economical driver and vehicle monitoring system with no recurring fees.

A high-definition (HD) camera captures the road ahead while a second HD camera ensures driver and passenger safety. A built in LED indicator gives drivers instant feedback to correct unsafe habits immediately. Configurable alarms and continuous or event based recording.

- **High Quality Video and Telematics Data Combined**
  2 high definition cameras with multi channel video & audio, vehicle speed and location, path travelled and driver behavior all on one screen.

- **Commercial Grade Hardware**
  Built tough with commercial grade hardware, solid state recording and intuitive video player.

- **Safety Monitoring**
  Built in G-force sensor records driving events such as harsh braking or high speed turning.

- **Easy Event Exporting**
  Self playing video with nothing to install make exported events easy to share.

- **Recording to secure 32gb SD card (up to 256gb)**

- **Includes DS2 Viewing software**

- **Simple to Install**

SNA-300 Package
Includes:
- HD Built-in Cameral / Dual channel recorders
- (1) Forward view camera
- (1) Cab view camera

With the most powerful event reconstruction features of any dual-channel event recorder on the market, the DS2 provides rich incident information to identify risks, increase driver performance and reduce collision, insurance and apparatus operating costs.
inView TrueSight Camera Systems offer Safety and Superior In-cab Visibility.

- Wired or Wireless Systems
- Heavy-Duty, Waterproof Cameras with Infrared LEDs for Nighttime Visibility
- Perfect for New or Retrofit Installations

WIRELESS SYSTEM

The inView TrueSight wireless camera systems are available in 1 or 2 camera configurations. Wireless systems are a great option for upgrading video on an existing apparatus, or for use in aerial applications where running a video wire is not practical. A transmitter can connect to any one of our cameras allowing it to wirelessly connect to any monitor with RCA inputs. Simply plug the camera into the transmitter and the receiver into the monitor and the two will communicate wirelessly!

Full or Split Screen Wireless Monitor
- 7" TFT LCD Color with Super Sharp Display
- Accommodates one or two cameras in real time
- Full or Split-screen Mode
- Built-in Speakers & on-dash backlit buttons

130° Rear View Wireless Back Up Camera
- 2.1mm Sharp® Color CCD Camera
- High Quality Image with no Blind Spots
- 9 Infrared LED’s for night time visibility up to 50'
- Anti-Vibration / Waterproof for severe conditions
- Wireless Transmitter

120° Side View Wireless Camera
- Sharp® Color CCD Camera
- 9 Infrared LED’s for night time visibility up to 30'
- Mounts flush or using Mounting Bracket

OPTIONS
- 7" Rear View Mirror Monitor
- Large 10" In-cab Monitor
- 7" Waterproof Monitor on Panel
- Wireless Proximity Sensor with Display

BCA Wireless Customized Kits: Up to 2 Cameras plus options
WIRED SYSTEM

The inView TrueSight wired camera systems are available in your choice of 1, 2, 3, or 4 camera configurations and customizable to meet all of your vehicle video needs. Systems are available with or without monitor display depending on if you want to tie the video feed into an existing vehicle monitor display. Multiple camera systems include a video switcher allowing you to choose your camera view. The four camera system comes standard with Quad View monitor with four display windows.

Full or Quad Screen Wired Monitor
- 7” TFT LCD Color with Super Sharp Display
- Accommodates one to four cameras in real time
- Full or Quad-screen Monitor (with 4 cameras)
- Built-in Speakers & on-dash backlit buttons

130° Front / Rear View Wired Camera
- 2.1mm Sharp® Color CCD Camera
- High Quality Image with no Blind Spots
- 18 infrared illuminators for clear image up to 50’ away
- Anti-Vibration / Waterproof for severe conditions

Kits with front and rear mounted cameras will come with two 130° Wired Cameras

120° Side View Wired Cameras
- Sharp® Color CCD Camera
- 9 infrared illuminators for clear image day or night
- Mounts flush or using Mounting Bracket

OPTIONS
- 7” Rear View Mirror Monitor
- Large 10” In-cab Monitor
- 7” Waterproof Monitor on Panel
- Proximity Sensor with Display
- 4-Channel DVR
- Dome Waterproof Camera
- Brake Light Camera

KITS
- Choose the kit that best suits your needs.
- Equip your apparatus with up to four cameras and as many options and upgrades as you want.

BCA Wired Customized Kits:
Up to 4 Cameras
Up to 2 Monitor Systems
plus options
A Safe Fleet Brand

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