



ZONE DEFENSE®



SOLUTIONS OVERVIEW



*YOUR FLEET SAFETY
IS OUR VISION*



Confidential and proprietary materials for authorized Zone Defense personnel and outside agencies only. Use, disclosure or distribution of this material is not permitted to any unauthorized persons or third parties except with written agreement.

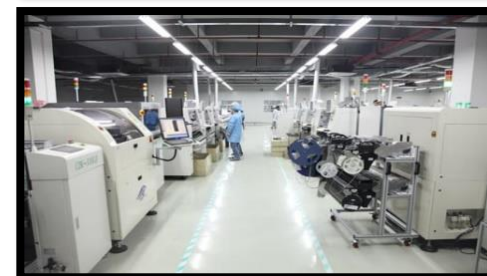
PARTNERING WITH ZONE DEFENSE

Advantages of partnering directly with the manufacture



COMPANY OVERVIEW

- ① Founded in 2007
- ① Worldwide Headquarters in Saint Petersburg, Florida, USA
- ① Canadian Sales & Distribution in Red Deer, Alberta, Canada
- ① Develop and manufactures industrial grade cameras, monitors, cables, RADAR and recording solutions
- ① Sales and distribution centers in United States and Canada with worldwide distribution
- ① In-house training, customer and technical support located at our WHQ



WHY ZONE DEFENSE

🔍 Save money and improve safety

- ⦿ Minimize operating cost
- ⦿ Reduce fleet downtime
- ⦿ Monitor field resources remotely
- ⦿ Reduce insurance cost
- ⦿ Improve safety



🔍 Integrating with vision offers more

- ⦿ Provides driver monitoring and coaching tools
- ⦿ Allows drivers and company to defend against wrongful claims
- ⦿ Provides powerful video analytics to change driver behavior and pattern
- ⦿ Provides customers a robust theft deterrent device

94% of all collisions are due to human error which now can be corrected in real time based on the Observer Effect in that individuals will modify an aspect of their behavior in response to their awareness of being observed

Source

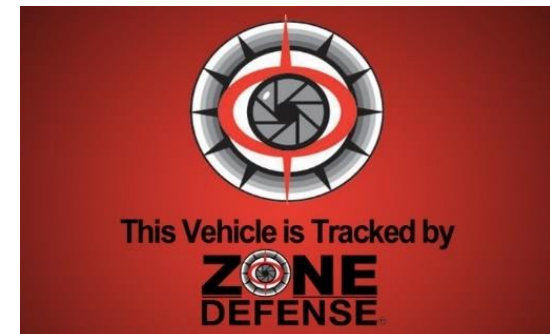
HARDWARE OPTIONS

- Zone Defense camera systems, recorders and sensor systems



SOLUTIONS OVERVIEW

- ⦿ Accident avoidance (cameras and proximity sensors)
- ⦿ Driver's assistance, behavior and coaching in real-time
- ⦿ Event recording: Live and recorded video



SAFETY SOLUTIONS



CAMERA EXAMPLES



Standard Camera

- Waterproof and weather resistant: IP69K
- Infrared night-vision color camera with 18 emitters
- Built-in microphone and mirror switch
- Night vision distance: 15M 49.2'
- 120° lens
- *Available in chrome*



Heated Shutter Camera

- Waterproof and weather resistant: IP67
- Infrared night-vision color camera
- Night vision distance: 10M / 32.8'
- Automatic open/close shutter
- Super wide viewing angle: 150° lens
- Automatic heater turns on when ambient temperature falls below 10° C / 50° F



Dual Camera

- Waterproof and weather resistant: IP69K
- Forward and interior view 2-in-1 camera
- Interior facing infrared night-vision color camera
- Built-in microphone on interior camera
- Night vision distance: 10M / 32.8'
- 120° forward facing lens / 90° interior facing lens



Side Camera

- Weatherproof and water resistant: IP67
- Compact profile with convenient angle adjustment
- 5 IR LED's for night vision
- 120° lens
- Night vision distance: 10M / 32.8'
- *Available in chrome*

MONITOR SYSTEMS

- Built-in trigger switch up to four cameras (reverse, side, etc.) with no additional switch box to install
- Picture image adjustable for horizontal, vertical, mirror, and normal viewing designed for any installation location
- Heavy duty waterproof and wireless systems available
- 360 degree views available:
 - Bird's Eye view, H-screen, and quad screen
- ELD tablet as a monitor
 - Requires docking station equipped HDMI input or RCA video for video and RCA audio for audio



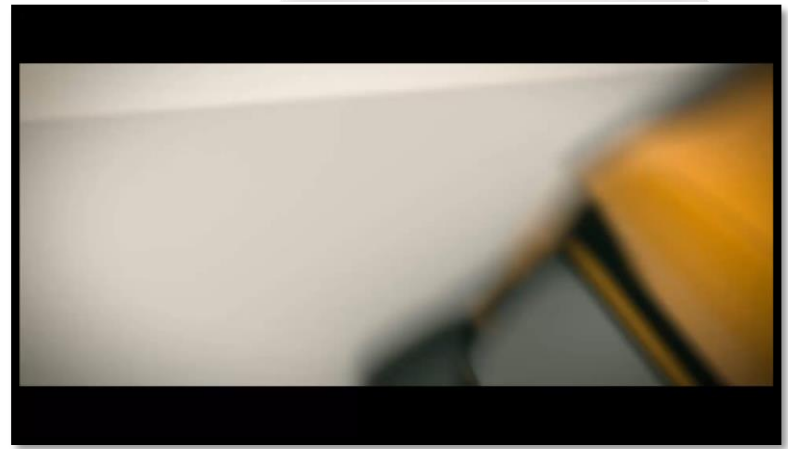
ULTRASONIC RADAR SYSTEM

- ⦿ Includes a weather proof sensor control box for external mounting
- ⦿ Detection from 0 to 5M/ 15'
 - ⦿ Audio and video description of distance (in meters or feet) from an object
 - ⦿ Increased speed of beeping indicator the closer you are to an object
- ⦿ Same technology you have in your personal vehicle



PULSED RADAR SYSTEM

- ① Flexible programming range for your specific vehicle type
- ① Detection from 0 to 10 M / 32'
 - ✧ Detects up to 16 objects simultaneously
 - ✧ Audio and video description of distance from an object
 - ✧ Increased speed of beeping indicator the closer you are to an object
- ① Same experience you have in your personal vehicle



CABLE SOLUTION

Standard Cables

- 1M / 3.28'
- 3M / 9.84'
- 5M / 16'
- 10M / 32'
- 15M / 49'
- 20M / 65'
- Armored Cables
- Additional lengths as needed

Adaptor Cables

- 3rd Eye / AWTI / Heil
- Safety Vision
- OEM Back Up Cameras



RECORDING SOLUTIONS



☰

ZONE DEFENSE
CLOUD SERVICES

Dashboard

Addin Dashboard

Activity

Administration

Map

Organization

Policies

Vehicles

Trailers

Video

Real Time

Playback

File Search

Snapshot

Help

Playback Videos

Customer

Vehicle Name

Channel No.

Start Date

End Date

Zone Defense

Test Vehicle assigned to WHQ

All

12/01/2017

03/31/2018

Search

Clear

2018-03-15 12:13:57

LEFT

Ranger Trk

Event Video

15 March 18 9:44:12 PM

Duration: 00:00:31

Size: 4.00 Mb

Panic Button

2018-03-15 12:13:57

RIGHT

Ranger Trk

Event Video

15 March 18 9:44:12 PM

Duration: 00:00:31

Size: 4.00 Mb

Panic Button

2018-03-15 12:13:57

REVERSE

Ranger Trk

Event Video

15 March 18 9:44:12 PM

Duration: 00:00:31

Size: 4.00 Mb

Panic Button

2018-03-15 12:13:57

FORWARD

Ranger Trk

Event Video

15 March 18 9:44:12 PM

Duration: 00:00:31

Size: 4.00 Mb

Panic Button

2018-03-15 12:13:57

RAIL

Ranger Trk

Event Video

15 March 18 9:44:12 PM

Duration: 00:00:31

Size: 4.00 Mb

Panic Button

2018-03-15 12:13:57

RIGHT DEL

Ranger Trk

Event Video

15 March 18 9:44:12 PM

Duration: 00:00:31

Size: 4.00 Mb

Panic Button

2018-03-15 12:13:57

LEFT DEL

Ranger Trk

Event Video

15 March 18 9:44:12 PM

Duration: 00:00:31

Size: 4.00 Mb

Panic Button

2018-03-15 12:13:57

REAR DEL

Ranger Trk

Event Video

15 March 18 9:44:12 PM

Duration: 00:00:31

Size: 4.00 Mb

Panic Button

RECORDING SOLUTION – BLACK BOX

- ④ **4 Camera recorder with touch screen monitor**
 - ⦿ Automatic event recording on up to 4 cameras
 - ⦿ Secure storage on up to four SD memory card
 - ⦿ Optional audio recording
 - ⦿ Playback shows location, speed, and cameras on vehicle
 - ⦿ Optional touch screen quad monitor with automatic camera switching when needed
- ④ **Automatic event recording before, during, and after an incident**
 - ⦿ Harsh vehicle operation and collision detection
 - ⦿ Motion detection with night vision
 - ⦿ Sensor events (door, PTO, etc.)



RECORDING SOLUTION – XR9

④ 4 Camera Recorder and Touch Screen in One

- ⦿ Automatic event recording on up to 4 cameras
- ⦿ Secure storage on up to four microSD memory card
- ⦿ 9" touch-screen monitor
- ⦿ Optional audio recording and on screen video playback
- ⦿ Playback shows location, speed, and cameras on vehicle
- ⦿ Automatic camera switching



④ Automatic and manual event recording before, during, and after an incident

- ⦿ Harsh vehicle operation and collision detection
- ⦿ Motion detection with night vision
- ⦿ Sensor events (door, Power Take Off, etc.)

COACHING SOLUTION — DRIVER'S CAMERA

ZonePro™

- ⦿ Advanced Driver Assistant System
- ⦿ Forward facing camera
- ⦿ Internal G-Sensor to detect harsh vehicle operation
- ⦿ Wi-Fi to smartphone or tablet mobile application
- ⦿ Playback shows location, speed, and picture or video



Automatic event recording, real-time driver warnings, and reports for management

- ⦿ Excessive Idle
- ⦿ Harsh vehicle operation
- ⦿ Lane departure
- ⦿ Lane drift
- ⦿ Possible collision
- ⦿ Posted speed limit violations
- ⦿ Stop sign infraction
- ⦿ ...and more!



RECORDING SOLUTION – DRIVER'S CAMERA

ZoneDefender®

- Automatic event recording two-in-one driver's camera with forward and driver facing cameras
- Secure storage on a single SD memory card
- Wi-Fi download of video events preview
- Optional audio recording
- Playback shows location, speed, and cameras on vehicle

Automatic and manual event recording before, during, and after an Event

- Bookmark button
- Harsh vehicle operation
- Motion detection with night vision
- Overspeed
- Parking / Delivery



RECORDING SOLUTION – PRO SERIES



Professional Series

- ◊ Expandable Mobile Digital Video Recorder
- ◊ Automatic event recording on up to 24 cameras
- ◊ Secure storage for both hard drive / solid state drive and SD memory card
- ◊ Real-time video streaming on demand plus Wi-Fi download of video events
- ◊ Optional audio recording



Automatic and manual event recording before, during, and after an incident

- ◊ Collision detection with real-time alerts
- ◊ Bookmark/Panic button
- ◊ Geofence notification
- ◊ Harsh vehicle operation notification
- ◊ I/O and sensors notification
- ◊ Motion detection with night vision
- ◊ Over and under speed recording
- ◊ Tampering notification



BUSINESS RELATIONSHIP

Seamless support for your End Users



CONCLUSION AND Q&A

If you have any questions
or would like to schedule a
live demonstration, please
don't hesitate to contact us

www.ZoneDefenseFleet.com

Dan Camm
Zone Defense
VP

(954) 292-6727
dan@zdfleet.com

Confidential and proprietary materials for authorized Zone Defense personnel and outside agencies only. Use, disclosure or distribution of this material is not permitted to any unauthorized persons or third parties except with written agreement.