



ZONE DEFENSE®

ACCIDENT AVOIDANCE SYSTEMS
PROFESSIONAL GRADE CAMERAS
COMMERCIAL FLEET TRACKING
MOBILE RECORDING DEVICES
LIVE VIDEO STREAMING
DRIVER COACHING
360° AWARENESS

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MS FOSTER

SERVING THE TRANSPORTATION INDUSTRY



ACCIDENT AVOIDANCE

object detection

cargo / passenger vision

blind spot vision



recording

tracking

training

reporting

connecting

ADVANCED SOLUTIONS



ABOUT ZONE DEFENSE

Zone Defense designs, develops, manufactures, and markets industrial grade, fully integrated vision systems for fleet owners, original equipment manufacturers (OEM), and other vision and mobile recording device companies.

You might not know our name, but there's a good chance you use our products.

We have thousands of products on the market today, many of them being sold under a different name. As the manufacturer of rearview cameras, monitors, advanced driver assistant systems, dash cameras, mobile digital video recorders (MDVR), asset trackers, and multiple accessories, we often get requests for customized safety systems to be private labeled by other companies. Our time from concept through completion exceeds industry standards.

Zone Defense markets and sells products to Value-added Resellers, Distributors, OEM's, Up-fitters, and works with many fleet companies to develop hardware that integrates with their systems including telematics, insurance, and other fleet software companies.

Zone Defense has dedicated over 10 years to provide customers with quality products that exceed industry safety standards.

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Advanced Vehicle Solutions

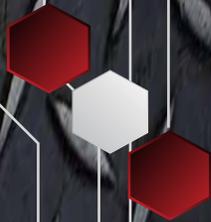
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ZONE
DEFENSE[®]
ACCIDENT
AVOIDANCE



**ZONE
DEFENSE®**

**STANDARD
SERIES**

Commercial grade backup camera/monitor

- Reduce blind spot accidents
- Increase vehicle uptime
- Reduce maintenance cost
- Available with 5", 7" or 9" Monitor

Features

Camera

- Exceeds FMVSS 111 Field of View (120° View Angle)
- Utilizes Infra-red technology to provide night vision
- Built-in audio support so the driver can hear what is happening in the blind spot
- IP69K rating and 7G rating to withstand power washing and harsh conditions

Monitor

- Digital LCD for clear, crisp image quality
- Commercial grade rubberized coating (7G rating)
- Adjustable views: horizontal / vertical / mirror / normal
- Easy touch control buttons and simple navigation menus
- Built in triggers support automatic reverse / left / right view without the need to purchase additional hardware
- Supports multiple inputs to easily add new components (3 inputs on 5" / 4 inputs on 7" & 9")
- Supports multiple language displays
- NTSC / PAL compatible
- Operates on 12V DC up to 32V DC



The standard series was built for commercial grade fleets and is the most popular series for our over-the-road trucks. You can chose the monitor size you want out of the box, or customize with a host of available options / upgrades.

In the box

Zone Defense Monitor available in 5", 7", or 9"
5" Standard Series system (Part # ZD.322.1)
7" Standard Series system (Part # ZD.323.1)
9" Standard Series system (Part # ZD.329.1)
One Zone Defense Standard Camera

Camera Extension Cable
Monitor Sun Shield
AV and Power Supply Adapter Cables
3 Monitor Mounts: U-Bracket / Center Fan / Flush
Remote Control

Customize your system!

Modular to support growth

All Zone Defense cabled monitors and cameras are interchangeable, allowing you to easily add-on Dashboard and additional cameras; MDVRs; object detection sensors; and more functionality as your safety needs grow.

Change your camera



Shutter Camera System System Part ZD.322.1.SH.4P

- High speed Shutter
- Heated
- Wide 150° viewing angle
- 10m Night Vision
- Built-in audio support



Heated Camera System System Part ZD.322.1.CH

- Auto heated
- Wide 150° viewing angle
- 10m Night Vision
- Built-in audio support
- Ideal for MDVR in extreme weather



License plate camera system ZD.322.1.LPB

- Metal housing
- 180° viewing angle
- Infrared for night vision
- Built-in audio support
- Uses existing mounting and frames

Expand your view



Zone Defense's modular approach allows you to easily add multiple cameras to your system as budget and time allows. Options include:

- Left and/or right side cameras
- Cargo cameras
- Passenger cameras
- Driver / Dashboard Cameras
- Dual Cameras
- Alley Cameras and more...
- Customized views to fit your needs

Add object detection



Object detection sensors provide an audible alert to driver when something is in their blind spot. Zone Defense offers two technologies for object detection.

- Light duty vehicle sensor system (shown).
 - Ultrasonic technology
 - Detects up to 15 feet
 - Small footprint sensors for easy install
- Heavy duty sensors
 - 24 MHz technology
 - Multiple detection zones avail.
 - Encased to protect from extreme elements

Advance your fleet...

Zone Defense offers a complete line of advanced products that easily integrate with your existing hardware:

- Tracking for fleet and non-motorized items
- Dashboard / Driver cameras for driver training or exonerating drivers in the event of an accident
- Mobile Digital Video Recorders (MDVR) that can record multiple cameras simultaneously
- Learn more in the Advanced Products section



**ZONE
DEFENSE®**

**RUGGED
SERIES**

Industrial grade backup camera/monitor

Reduce blind spot accidents

Increase vehicle uptime

Handles extreme shock, weather, and vibration:

Weatherproof monitor

12G Rating

Heated camera

Available with 5" or 7" Monitor

Features

Camera

- Exceeds FMVSS 111 Field of View (150° View Angle)
- Heater automatically engages at below 10° C
- Infra-red technology for 10M night vision
- Built-in audio support
- IP69K rating and 12G rating

Monitor

- Digital LCD for clear, crisp image quality
- Waterproof cast aluminum coating
- Adjustable views: horizontal / vertical / mirror / normal
- Touch screen control panel
- Built in triggers support automatic reverse / left / right view without the need to purchase additional hardware
- Supports additional cameras (3 on 5" Monitor, 4 on 7" Monitor)
- Supports multiple language displays
- NTSC / PAL compatible
- Operates on 12V DC up to 32V DC



The rugged series was built to withstand extreme conditions. You can chose the monitor size you want out of the box, or customize with a host of available options / upgrades.

In the box

Zone Defense Monitor available in 5" or 7"
5" Rugged Series system (Part # ZD.322.R.1.CH)
7" Standard Series system (Part # ZD.323.R.1.CH)
One Zone Defense Heated Camera

Camera Extension Cable
Monitor Sun Shield
AV and Power Supply Adapter Cables
3 Monitor Mounts: U-Bracket / Center Fan / Flush
Remote Control

ACCIDENT AVOIDANCE



Customize your system!

Modular to support growth

Zone Defense cabled monitors and cameras are interchangeable, allowing you to easily add new features including:

- Rear, side, or cargo cameras for multiple views
- Object detection sensors
- Armored cables to withstand the elements
- Vehicle Tracking
- Advanced Driver Assistance Systems
- Mobile Digital Video Recording (MDVR)



**ZONE
DEFENSE®**

**WIRELESS
SERIES**

Wireless Monitor and Camera Systems

Fleet accident avoidance system

Reduce installation time

Available in Rear, Dual Screen, or Quad View

Auto-pairs for quick viewing

Features

Camera

- Exceeds FMVSS 111 Field of View (120° View Angle)
- Built-in transmitter and receiver
- Infra-red provides night vision
- Built-in audio support
- IP69K rating and 7G rating
- Operates on 12V

Monitor

- Digital 7" 2.4 GHz wireless monitor
- Distance grid overlays on monitor in reverse
- Built-in transmitter and receiver
- Auto dimming for night driving
- Adjustable image for mirror or normal view
- Touch button control panel
- Supports multiple language displays
- NTSC / PAL compatible
- Operates on 12V – 32V DC



The Zone Defense wireless series includes built-in digital transmitter/receiver. This locks the signal between the camera and monitor for interference-free viewing to ensure interference-free viewing with <1 second retrieval process.

In the box

Zone Defense 7" Digital Wireless Monitor
Single Camera System Part #ZD.323.1.DW
One Zone Defense Heated Camera
Monitor Sun Shield
Camera Extension Cable

AV and Power Supply Adapter Cables
3 Monitor Mounts: U-Bracket / Center Fan / Flush
Remote Control

Available Options



Split Screen Wireless System

Part #ZD.323.1.DW.2

- Same commercial grade quality as the Single camera wireless system
- Includes two cameras to cover more blind spots
- Automatically triggers distance grid in reverse
- Easy to install

Expand your view with a split screen or quad screen wireless systems



Quad View Wireless System

Part #ZD.323.1.QDW

- Give drivers a 360° Surround View
- Includes four cameras
- Automatically triggers distance grid in reverse
- Wireless provide flexible mounting options

Turn your cabled system into a wireless system

Digital Wireless Modules

Part #ASSC.300.RXTX.D

Turn any cabled system into a stable wireless system. With the Digital Wireless Module, you can easily add an additional camera to any Zone Defense monitor. This module includes both a transmitter and receiver so the monitor can accept the wireless camera feed. Once installed, both the monitor and camera are paired together to eliminate interference.

- Quick and easy way to add additional camera to existing Zone Defense monitor or vision system
- Stable system pairs camera/monitor to eliminate interference
- Ideal for adding cargo, side, or additional cameras to tractor trailers to existing vision system



Go Wireless!

**ZONE
DEFENSE®**

**SURROUND
VISION**

Zone Defense Surround 360

Provides drivers clear view all around the vehicle
Built-in triggers automatically switch views
Touchscreen monitor to easily switch screens
Flexible mounting and camera options
See all the views you need without the need to calibrate

Features

Camera

- Customize your system with an array of Zone Defense Cameras to fit your needs:
 - Standard
 - Heated
 - Shutter
 - Side
 - Dome / Cargo, and more

Monitor

- 9" Digital LCD for crisp images
- Built-in triggers allow for automatic switching to reverse, left, or right-side camera views without additional hardware requirements
- Touch screen technology allows driver to easily tap screen to get a closer view of each camera
- All cameras viewed simultaneously on large quad screen view
- Picture image can be adjusted for mirror or normal viewing
- Rubberized coating for commercial use, first introduced by Zone Defense (7G rated)
- Operates on 12V DC up to 32V DC
- Additional video output to add recording
- Multiple language displays available
- Multiple video formats available (NTSC/PAL/Auto)
- LED backlight on LCD panel for longer life



Everything you need to have a 360 degree view around your vehicle in a single system, with the option to add recording today or in the future.

In the box

Part #ZD.309.QUAD.KIT.360
Zone Defense 9" Digital LCD Monitor
Four Zone Defense Cameras
Choose cameras based on your needs

Monitor Sun Shield
Camera Extension Cable
AV and Power Supply Adapter Cables
3 Monitor Mounts: U-Bracket / Center Fan / Flush
Remote control

Zone Defense Birdseye 360

Provides drivers panoramic view of obstructions around vehicle

Video recording included in the control box

Single step calibration for simplified installation and maintenance

Chose the Zone Defense monitor that fits your requirements



Give your drivers a birds-eye view of what is happening around the vehicle. With a built-in MDVR, all cameras are automatically recorded to provide driver training or video proof in the event of an accident.

Features

- Included cameras provide super wide horizontal viewing angles for panoramic viewing
- Auto switches to full screen backup camera when vehicle in reverse
- Auto switches to full screen left/right when triggered with blinker
- Single step calibration eliminates need to bound the cameras and main unit, reducing vehicle downtime to calibrate images
- Adjustable calibration specs developed to meet multiple fleet sizes and shapes
- Records all cameras to provide driver training and exonerate drivers in the event of an accident
- Channel selection available with remote control or trigger wire when it is in single-picture display
- Multiple options available for monitors including monitor size for limited cab space, touch screen, and more.
- LED backlight on LCD panel for longer life

In the box

Part #MUL.360.VSV.HD

- | | |
|------------------------------------|---|
| Zone Defense control box | 1 Power cable |
| 4 High Definition fish-eye cameras | 4 20M camera cables |
| 1 Remote control | 1 HDMI extension cables |
| 1 Infra-red extension cable | Note: SD Cards, Calibration Matt, and Monitor is sold separately. |
| 1 Harness | |

Zone Defense Object Detection Integration

Rear / side detection zones available

Integrated to provide visual and audible alerts to drivers

Sensor options for industrial or commercial vehicles

Customize system with optional monitors and cameras

Features

Camera

Customize your system with an array of Zone Defense Cameras to fit your needs:

- Standard
- Heated
- Shutter
- Side
- Dome / Cargo, and more

Monitor

Customize your system with an array of Zone Defense Monitor features and sizes

- Standard Series
- Rugged Series
- Touchscreen Series

Object Detection Sensors

Available options include:

- Ultrasonic Rear Sensor
- Preco[®] Sentry Rear 24 MHz Sensor
- Preco Side Defender 24 MHz Sensor



Zone Defense Ultrasonic

This commercial-grade system is ideal for smaller vehicles and over-the-road fleets. Fully integrated, your driver receives both an audible and visual alert when something has entered the detection zone.

In the box

Part #S.ZD.397.HDF

Four ultrasonic sensors
Four sensor cables
Control Box

Buzzer
Camera Cable
Monitor, camera, and sensor brackets sold separately

Zone Defense Sentry Fusion

Zone Defense and Preco Electronics partner to provide you a seamless integration of industrial grade collision warning radar with the rugged mobile vision system you've come to expect from Zone Defense.



Zone Defense Sentry Side Detection

The Zone Defense Sentry Side Fusion allows you to detect objects along the side(s) of your vehicle. Through CAN-bus integration, the detection zones can be set to automatically change area detected based on speed.

Features

- Zone Defense and Preco Electronics partner to provide a seamless vision/collision warning system that withstands the most rugged environments.
- Completely customizable:
 - Chose your vision (rear/side/surround), cameras, and monitors
 - Chose your detection zone
- Sensors provide CAN-bus integration
- Sensors provide adjustable detection zones and shape from 0 to 30 meters
- Built-in fail safe alerts
- Ideal for heavy-duty vehicles such as construction, waste, and mining machines

Zone Defense offers a full line of cameras to fit any dashboard, style, or functions you may need. All cameras are interchangeable with Zone Defense systems. In addition, we provide adapter cables so you can even connect to other third party monitors and recording devices.



CAM.313C



CAM.313C.CRO

Zone Defense Standard

- 120° Viewing Angle
- Built in audio support
- IR for night vision
- IP69K / 7G rating
- Available in black or chrome



CAM.313CH

Zone Defense Heated

- 150° Viewing Angle
- Auto heats at 10 °C
- Built in audio support
- IR for 10M/32' night vision
- IP69K / 7G rating
- Available in black or chrome



CAM.313SH.4P

Zone Defense Shutter

- 150° Viewing Angle
- High speed shutter
- Auto heats at 10 °C (option)
- Built in audio support
- IR for 10M/32' night vision
- IP69K / 7G rating
- Available in black or chrome



ZD.CAM.313MCH

**Zone Defense Ultimate Canadian Camera
150° Viewing Angle**

- Auto heats at 10 °C
- Heated even when camera not active
- Stainless Steel / weatherproof
- Super IR for further night vision
- IP69K / 12G rating
- Available in black or chrome



CAM.313MS



CAM.313MS.CRO

Zone Defense Mini Side Cameras

- 120° Viewing Angle
- Zero light night vision
- IP69K / 7G rating
- Built-in audio support (CAM.313MS.V4A)
- Available in black or chrome



CAM.313D CAM.313D.CRO CAM.313DM

Zone Defense Dome

- 120° Viewing Angle
- Ideal for viewing cargo and passengers
- Built in audio support (CAM.313D/CAM.313D.CRO)
- IP69K / 7G rating
- Available without mirroring (option)
- Available in black, chrome, or mini



CAM.300.DUO

CAM.313MS.NML
CAM.313MS.NML.NO.IR
(without infrared)

Zone Defense Dashboard

- Zone Defense Dual (in-cab/forward combo)
- Mini-forward
- Small footprint for limited dash spaces
- Easily connects to MDVRs
- Built in audio support (CAM.300.DUO)
- Special lenses that won't reflect windshield lighting for sharp imaging (option)



CAM.313BT

Zone Defense Bracket

- 120° Viewing Angle
- IP69K / 7G rating
- IR for night vision
- Quick mounting design
- Easily mounts to side mirror or other vehicle bracket



CAM.313RBS



CAM.313LP.V2

Zone Defense Speciality Cameras

- Bullet Camera (CAM.313RBS)
- License Plate Camera (CAM.313LP.V2)
- Built in audio support (CAM.313LP.V2)
- Integrate with existing OEM monitors
- Easy mounting and install
- IP69K / 7G rating



CAM.800.SPR



CAM.800.NISS



CAM.800.GM

Brake Light Cameras

- Brake Light Cameras (Sprint, Nissan, GM)
- Integrate with existing OEM monitors
- Easy mounting and install
- IP69K / 7G rating



M.350.KIT



ZD.M.300.R.KIT



ZD.M.302.KIT



M.309.KIT

Zone Defense Standard

- Rearview mirror (M.350.KIT)
- 5" Monitor (ZD.M.300.1.KIT)
- 7" Monitor (M.302.KIT)
- 9" Monitor (M.309.KIT)



ZD.M.302.R.KIT (7")
ZD.M.300.R.KIT (5")



ZD.M.302.WP.KIT

Zone Defense Rugged Series

- Zone Defense Rugged
 - 5" Monitor (ZD.M.300.R.KIT)
 - 7" Monitor (ZD.M.302.R.KIT)
- Zone Defense Waterproof
 - 7" Monitor (ZD.M.302.WP.KIT)



M.309.QUAD.TS.KIT



ZD.310.KIT

Zone Defense Touch Screen Series

- 9" Standard (M.309.QUAD.TS.KIT)
- 10" HD (ZD.310.KIT)



ZD.M.302.DW.KIT ZD.M.302.DW.2.KIT ZD.M.302.QDW.KIT

Zone Defense Wireless Series

- 7" Monitor
 - Single Screen (ZD.M.302.DW.KIT)
 - Split Screen (ZD.M.302.DW.2.KIT)
 - Quad Screen (ZD.M.302.QDW.KIT)



ZD.M.302.400B.4



M.302Q.KIT

Zone Defense Specialty Series

- Multiplexer Monitor (ZD.M.302.400B.4)
- 7" Quad Screen (M.302.Q.KIT)
- 10" HD (Not Shown)



ZONE
DEFENSE[®]
ADVANCED
SOLUTIONS



**ZONE
DEFENSE®
MOBILE
DIGITAL VIDEO
RECORDERS**

ZoneDefender® Driver Camera / Recorder

Dashboard camera (front and driver facing cameras)

Exonerate company and drivers in the event of an accident

Incident reporting to proactively correct poor driver behavior

Improve driver training with real world scenario videos



Front: Forward Facing Camera



Back: Driver facing camera

Easily installed, ZoneDefender provides everything you need out of the box to capture video of driver behavior and external events. The dashboard camera includes both front and driver facing cameras in a small footprint and right priced to fit any budget. There are no recurring monthly charge requirements to view your video.

In the box

Part #R.AVS.20.1

ZoneDefender Dashboard camera (dual camera)

GPS integrated windshield mount

Tamper resistant lock key

Power cable

Wi-Fi Antenna

Manual Bookmark

SD Memory cards sold separately

Features and Function

Automatic and manual recording



Video proof to exonerate company and drivers



Real world example for driver training



Captures location and time of events with integrated GPS



Includes impact sensor, speaker, microphone, and smart battery



Manual bookmark button to record non-triggered events



Voice guide informs driver on device condition



Robust reporting tools



Automatic event triggers captured and reported:

- Impact
- Sudden Stop
- Sudden Start
- Over speed
- Parking In
- Parking Out
- Parking
- Motion Detection



Ability to sort video by event type, vehicle, or driver



Easy-to-navigate PC viewer to manage, backup, print, email, and view recorded videos

Make it a PLUS!



Zone Defense is part of the Geotab Marketplace. When you use Geotab Marketplace, ZoneDefender includes all the above features and functions above PLUS:

- Automatic data upload into Geotab
- Easily access your information live through the Geotab interface through a tablet, smart phone, or computer
- Real time notifications such as low battery, motion, tamper, and more



ZONE
DEFENSE®
MOBILE
DIGITAL VIDEO
RECORDERS

Zone Defense Black Box

Record up to four cameras simultaneously

Choose your camera(s) and monitor

Automatic video capture event triggers

No software purchase or recurring monthly charges to view video playback

Features

- GPS Tracking
- Tracking via user-friendly Google Maps
- Secure and tamper-proof memory storage with lock
- Supports 4 SD cards for up to 128GB of memory
- Triggered or manually set event recording
- Fully triggered for automotive events and alarms
- Easy to navigate event record library
- No software to buy!
- No reoccurring charges to view playback.
- Playback shows location, speed and cameras on vehicle
- H.264 compression format to reduce memory use
- Supports USB / mobile HDD recording for backup
- Automatically switch to the working camera when trigger is activated
- Integrates with Zone Defense cabled systems



Zone Defense's Black Box Mobile Digital Video Recorder (MDVR) is a powerhouse in small form factor. It has all the bells and whistles you expect in the larger, more expensive MDVR's but it's small size makes for easy use and installation. Supports up to 4 cameras and full audio capability for all-around vision and you can customize your camera configuration.

In the box

Part #R.AVS.400.B.4

ZoneDefender® Mobile Digital Video Recorder

This system is completely customizable. Please call for quote to set up your monitor, camera, and playback configuration today.

Zone Defense All-in-One MDVR

MDVR built into the monitor

Records up to four cameras simultaneously

Built-in event triggers

Software built into monitor, no recurring monthly charges



This all-in-one solution has the MDVR built right into the monitor. Automatic triggers for video capture allows you to easily monitor your fleet, correct dangerous driving behaviors, and exonerate your drivers and company in the event an accident should occur. This system was built to provide you with the features you need for day-to-day operations without breaking the bank.

Features

- Digital LCD for clear, crisp image quality
- 9" smart touch screen control panel
- Records every camera connected
- Adjustable picture image: horizontal, vertical, mirror, and normal viewing
- Picture image display can be set based on triggers and/or display in single camera, split camera, triple camera, or quad camera views
- Secure memory storage stored in lockable compartment
- Multiple language displays available
- Multiple video formats available (NTSC/PAL/Auto)
- LED backlight on LCD panel for longer life
- GPS enabled to show time and location of events
- Chose 1 to 4 cameras from the Zone Defense line of commercial and industrial grade cabled cameras (sold separately)
- Automatically downloads PC player from MDVR – no additional software to buy
- Easily navigate information by driver, VIN, or event type
- Selectable views easy as point and click
- Simple to use video/photo capture buttons

In the box

Part #R.XR9.KIT

Zone Defense 9" All-in-one Monitor and Digital Recorder

Software included, no need to purchase additional software to view video and images

IR Remote

Monitor Mounts: U-Bracket Monitor Mount and Center Monitor Mount

MDVR Key to keep SD Card(s) locked and secure

Customize your camera(s), memory storage, and even cables!

ZONE
DEFENSE®

ASSET
TRACKING

Zone Defense Asset Tracker (ZD Track)

Know where your assets are when you need them

Easily monitor assets from any computer, smartphone, or tablet with internet access

Stand alone device holds charge for up to 10 years (optional)

Smart Bluetooth to easily communicate with anything with a digital input/output



Corporations need to know where all their assets are, not just those that include a motor. That is why Zone Defense offers ZD Track, a small device that can locate property, people, and more with the click of a button.

ZD Track are asset management devices that are self-contained, self-powered asset locators and monitoring tools designed for discrete tracking on containers, trailers, mobile equipment, tools, heavy machinery, boats, lone workers, road barriers, and almost anything else you can imagine.

Asset Tracker Features and Portal

Asset reporting

Monitor intelligent devices

Monitor non-motorized items

Google map view right on screen

Easily access from any devices with internet access

Turnkey end-to-end solution

- Small and discreet design to easily hide from sight
- Save money and time by knowing where your assets are when you need them
- Turnkey End to End solution - Device, Network Connectivity, Web Application
- Asset monitoring from any computer with internet access, smartphone or tablet
- Both Standalone and Assisted GPS for ensured reporting in regions where weak signal may be an issue (large cities, indoors, etc.)
- Hard wired to a power source and trickle charge or standalone device with a long life rechargeable battery (1 to 10 year batteries available)
- Integration available to many enterprise software systems
- Built in Cellular and GPS antennas
- Inputs for alerting door opening, door closing, fill level, etc. available
- Inputs for measuring temperature, voltages, etc. available
- Smart Bluetooth to talk to intelligent devices so you can easily connect to existing equipment with digital input/output
- Outputs for driving external devices available



Make it a PLUS!

Zone Defense is part of the Geotab Marketplace. When you use Geotab Marketplace, the Zone Defense Asset Tracker includes all the above features and functions above PLUS:

- Automatic data upload into Geotab
- Easily access your information live through the Geotab interface through a tablet, smart phone, or computer
- Real time notifications such as low battery, motion, tamper, and more



**ZONE
DEFENSE®**
**MULTI-
PLEXERS**

Zone Defense Multi-Plexer

Easily connect multiple cameras to a single monitor

Easily connect an MDVR to an existing system

Built-in triggers to determine driver camera view

Add more cameras as your viewing needs grow

Available with 4-Channel or 2-Channel

Zone Defense 2-Channel Multi-Plexer (MUL.602)

- 2 camera input and 1 AV output
- 2 trigger wires support auto switching to the working camera in full screen
- Operates on 12V DC up to 32V DC
- Provides short circuit protection
- Selectable video and audio output from either camera (NTSC/PAL)



Zone Defense 4-Channel Multi-Plexer (MUL.604)

- 4 camera and 1 AV output
- 4 trigger wires support auto switching to the working camera in full screen or dual screen when 2 working cameras need to be viewed
- Operates on 12V DC up to 32V DC
- Provides power short circuit protection
- Selectable video and audio output from either camera (NTSC/PAL)





ZONE
DEFENSE[®]
COMPONENTS



CABLES / ADAPTERS

Zone Defense Cables and Adapters

Whether your vehicle needs extreme cables that can withstand any environment, you need to replace an existing cable due to pesky rats, or you just need a specialized cable length, Zone Defense has cables and adapters that will fit your needs.



Take a bite out of chewed cables

Zone Defense Armored cables are heavy-duty, rodent resistant, and will withstand the most extreme elements.



Armored Cables

- 5 Meter (CBL.358C.ARMORED)
- 10 Meter (CBL.358B.ARMORED)
- 15 Meter (CBL.358A.ARMORED)
- 20 Meter (CBL.358.ARMORED)



Standard 4-PIN Cables

- 1 Meter (CBL.358E)
- 3 Meter (CBL.358D)
- 5 Meter (CBL.358C)
- 10 Meter (CBL.358B)
- 15 Meter (CBL.358A)
- 20 Meter (CBL.358)
- 30 Meter (CBL.358F)



CBL.382B.4P

CBL.358.SH.4P



Shutter Camera Cables

- 20 Meter cable for longer vehicles (CBL.358.SH.4P)
- Shutter Camera Power Cable (CBL.382B.4P) for constant power source even when vehicle is not in reverse



Coil Connector Kit (CBL.359A.2)

- Easily connects camera installed on tractor to cameras installed on trailers



CBL.359H



CBL.359A

Trailer/Tractor Cables

- Tractor socket cable (CBL.359H)
- Trailer socket cable (CBL.395G)
- Coil Cable (CBL.359A)



Male Monitor Conversion Cable (CBL.354A)

- Connects third party monitors to Zone Defense cameras
- Eliminates the need to replace existing cameras and harnesses when transitioning fleet to Zone Defense technology



Female Monitor Conversion Cable (CBL.354A.F)

- Connects third party monitors to Zone Defense cameras
- Eliminates the need to replace existing cameras and harnesses when transitioning fleet to Zone Defense technology



Male Camera Conversion Cable (CBL.354B)

- Connects third party cameras to Zone Defense Monitors
- Eliminates the need to replace existing monitors and cables when transitioning fleet to Zone Defense technology



Female Camera Conversion Cable (CBL.354B.BNC)

- Connects third party cameras to Zone Defense Monitors
- Eliminates the need to replace existing monitors and cables when transitioning fleet to Zone Defense technology



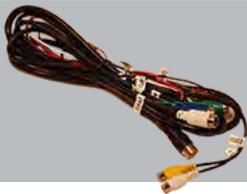
13-PIN Cable to 22-PIN Monitor Adapter (CBL.354G)

- Easily replace/upgrade to new Zone Defense monitor
- Eliminates need to pull dashboard or replace cameras



5" Monitor Cable (CBL.354.300C)

- 13-PIN Replacement cable for Zone Defense 5" Monitors built prior to 2013



22-PIN 7" Monitor Cable (CBL.354.302C)

- Replacement cable for Zone Defense 7" Monitors built after 2012



Power "Y" Connector (CBL.382)

- Easily split power from a single source



Video "Y" Connector (CBL.382V)

- Easily connect an MDVR to your existing Zone Defense vision system



Power Pigtail (CBL.382A)

- Easily power Zone Defense systems from a disparate source



ACCESSORIES

Zone Defense Accessories

Zone Defense provides a wide range of accessories from monitor mounts to camera washers. Please visit ZoneDefenseFleet.com for the most current accessories list.



Flush Mount Monitor Bracket

- For 7" Monitors (ASSC.400FM.302.ZD)
- For 5" Monitors (ASSC.400FM)



Mirror Mount Monitor Bracket

- For 5" Monitors Only (ASSC.400MM.ZD.WS)



Fan Monitor Mount

- Easily mounts Zone Defense Monitors to the dashboard (ASSC.400C)



Heavy Duty Monitor Mount

- Easily mounts Zone Defense Monitors to the dashboard (ASSC.400D)



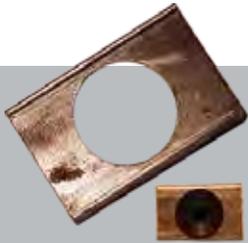
Monitor Sun Shield

- For 7" Monitors (ASSC.240.302C)
- For 5" Monitors (ASSC.240.300.ZD)



Magnetic Camera Mount

- Flexible, non-permanent mount for cameras (ASSC.400M). Camera not included



Stainless Steel Sensor Bracket Mount

- For Zone Defense Ultrasonic Sensor System (S.ZD.397.SENSOR.BKT)



Go Wireless!

Digital Wireless Module

- Transmitter and receiver to change cabled system into a wireless system (ASSC.300.RTX.D)



SD Memory Card for Zone Defense MDVRs

- Add memory to your Zone Defense MDVR
- 32 GB (ASSC.ZD.SD.32)
- 64 GB (ASSC.ZD.SD.64)
- 128 GB (ASSC.ZD.SD.128)



SD Memory Card for Zone Defense XR9 MDVR

- Add memory to your All-In-One XR9 MDVR
- 32 GB (ASSC.ZD.MSD.32)
- 64 GB (ASSC.ZD.MSD.64)
- 128 GB (ASSC.ZD.MSD.128)



Zone Defense Monitor Remote Control

- ASSC.402



ClearView Camera Washing System

- Eliminates dirt, ice, and snow from obstructing camera lens (ASSC.CVS.2). Camera not included



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