



## Key Attributes

- ◆ Hardened for Environmental Elements
- ◆ Local & Remote Configuration & Monitoring Firmware
- ◆ Detection Zone(s) Editable & Configurable
- ◆ Alarms Out to ATMS Software & Warning Devices
- ◆ Provides Incident High Definition Still Images & Video
- ◆ AC and Solar Power Options
- ◆ Wired and Wireless Network Options
- 25 ◆ Highlighted Warning Signs Alert Drivers in Real-Time
- 24 ◆ Notifies Traffic Management Center on Detection of Event
- 24 ◆ Provides Images to Traffic Management Center on Detection of Event
- ◆ Bi-Spectrum (Thermal & Optical) Camera for All Lighting & Weather Conditions
- ◆ Artificial Intelligence (AI) & Machine Learning Technologies

## Wrong Way Vehicle Detection System

Model - GC-WWVDS-Series

## Cameras

Form Factor	Detection Camera - Bi-spectrum (Optical & Thermal)	Rear Camera
<b>Resolution</b>	4 Megapixel (Optical) 384 X 288 (Thermal)	2 Megapixel or 4K Optional
<b>Lens</b>	Site Specific	Site Specific
<b>Infrared Illuminators</b>	Yes	Yes
<b>ONVIF Compliant</b>	Yes	Yes
<b>Environmental</b>	NEMA TS-2-2016 Certified by Independent Laboratory	NEMA TS-2-2016 Certified by Independent Laboratory
<b>Power</b>	12VDC or Hi-PoE	24VAC or Hi PoE
<b>Mounting</b>	Pole	Pole
<b>Codec</b>	H.264, H.265 & MJPEG	H.264, H.265 & MJPEG
<b>Logo Overlay</b>	Yes	Yes
<b>Communication Interface</b>	1RJ45 10/100/1000 Ethernet Port	1 RJ45 10/100/1000 Ethernet Port
<b>On-Board Storage</b>	Up To 256 GB	Up To 256 GB

## Highlighted Warning Signs

**Sign Type:** Highlighted High Intensity Wrong Way Sign w/ 8 Red Embedded LEDs

**Size:** 42" X 30"

**Activation:** On Detection

**Mounting:** Z-Bar Brackets (set of 2)

**Material:** 5052 Aluminum, Type XI DG3 3M Sheet w/ Anti-16 & 19 Graffiti Overlay

**Ultra-Bright LEDs:** Peak MC 500,000 per LED, Applied Voltage 12VDC, LED 1 Watt each

**Flash Rates:** Adjustable From 50/50 to 90/10 Duty Cycle

**Environmental:** NEMA TS-2-2016 Certified by Independent Laboratory

**Power:** AC or Solar Option

**Communications:** Hard Wired or RF Wireless

**Solar Option:** Panel, 5052 Aluminum Enclosure & Mounting Bracket, DC20 Solar Pack

**Detection Pole:** 20' 4" Crash Tested Spun Aluminum Pole w/ Base, Cap & 4 Anchor Bolts

**Secondary Pole:** 15' 3" Crash Tested Spun Aluminum Pole w/ Base, Cap & 4 Anchor Bolts

## NVIDIA® Jetson™ Compute Module

**GPU:** 256-core Pascal™ GPU

**CPU:** Dual-Core Denver 1.5 64-Bit CPU and Quad-Core ARM®Cortex®A57 MPCore processor

**Memory:** 8 GB 128-bit LPDDR4

**Storage:** 32 GB eMMC 5.1 Flash

**Communication Interface:** 1RJ45 10/100/1000 Ethernet Port

**Operating System:** Linux

12 **Nonvolatile Memory:** System Programming is Retained in Nonvolatile Memory

**Power:** Max 15W

5 **Environmental:** NEMA TS-2-2016 Certified by Independent Laboratory

## Web Accessible User Interface

- 6 **Configuration:** Local and Remote Configuration, Monitoring & AI Training
- 14 **Communication (IP) Addresses:** User Programmable
- 7 & 11 **Detection Zones:** Configure, Edit & Display
  - Viewing:** Real-Time & Historical
  - Reporting:** View Detection / Activation History
- 8, 9 & 10 **NTP Server Integration:** Sync over Network, User Configurable w/ Flexible Polling Intervals, Defined by URL or IP Address
- 13 **Save System Configuration:** Import / Export
- System Health Monitoring:** Yes

## General

- 2 **Materials:** Corrosion-Resistant
- 3 **Fasteners:** Type 304 or 316 Passivated Stainless Steel
- Environmental:** -40°F to 167°F Operating & Storage Temperature, 95% Humidity
- 15 **API:** API Provided for Integration w/ 3rd Party Software & Systems
- 20 **Network Cables & Connectors:** Network cables and connectors comply with TIA-568
- 8 **On-Board Battery Back-Up:** Yes
- 21 **Regulatory:** FCC & UL
- 22 **Network:** Ethernet or Optional Cellular Modem
- 26 **Power:** 120VAC Standard w/ DC Converters & On-Board Battery Back-Up
- 27 **Solar Power Option:** Solar Panels, Battery Cabinet, Solar Charger / Inverter – 10 Day Survival w/o Sunlight