

## AI-500-070C Glance Wrong-Way Detection Using FLIR Camera Detectors

### Overview

The AI-500-070C Wrong-Way Detection System Solution has been engineered with the focus on providing a cost-effective, low-power, easy-to-integrate means of adding direct-to-driver alerts into FLIR Camera Wrong-Way Driver Detection Systems. The simply integrated device can be retrofitted into existing wrong-way detection systems, to upgrade detection zones and reduce the risk of incidents.

Once installed, the AI-500-070C provides cellular connectivity, monitoring, alerting, data collection, and reporting capabilities through Applied Information's cloud-based solution platform - Glance. Remotely configure the danger zone radius (including side streets), and monitor system operation and reliability in real-time, or through automatically generated reports. Glance allows for 24/7 monitoring of wrong-way detection system status, and via the TravelSafely smartphone application, alerts wrong and right-way drivers simultaneously of a wrong-way detection.

Equipped with a self-calibrating knockdown detection device, the AI-500-070C can detect when a pole has been knocked down. Additionally, as soon as a problem is detected in the field, email/text alerts are sent to notify the necessary personnel of the exact fault.

### Features & Benefits

- ✓ Low-cost Internet connectivity solution
- ✓ Alert wrong and right-way drivers directly
- ✓ Compatible with Glance platform
- ✓ GPS enabled for self-locating
- ✓ Small form factor
- ✓ Built-in knockdown detection sensor
- ✓ Easy to install and configure
- ✓ Utilizes the Glance web-based platform
- ✓ Failure alerts sent via text or email
- ✓ System reports automatically generated
- ✓ Future-proof with "over-the-air" software updates



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## AI-500-070C

### Connectivity

Cell Modem CAT M	Yes
Knockdown Sensor	Yes
GPS	Yes
OTA Software Update	Yes

### Industrial I/O

Analog Input	Solar Power, Solar Batteries, Solar Current, Temperature
Digital Inputs	Camera Status, Override On, Door Open Switch

### Miscellaneous

Operating Systems	FreeRTOS Systems
Ultra Low Power Processor	Yes
Operating Temperature	-37°C to 74°C
Humidity	5-95% non-condensing
Dimensions	1" x 2.375" x 4.5"
Input Voltage	10-30v DC
Power Consumption DC	30mA
Non-volatile Memory	Yes

### Compatible with

FLIR Cameras	Yes
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FLIR Camera

AI-500-070C