

IPAS *Intelligent Proximity Alert System*

IPAS is designed to reduce the risk of collision between pedestrians and moving vehicles in your workplace. The system uses the cutting-edge RF technology to precisely measure the distance between vehicles and pedestrians and provides a highly reliable collision warning.



High Accuracy

UWB technology-based highly accurate distance measurement



Easy Installation

Out-of-the-box with no-registration and no-calibration



Bilateral Alarm

Acoustic or vibrated alarm for both a driver and a pedestrian



Easy Operation

Simple and customizable configuration and operation



※ IPAS can be installed on any moving vehicles and machinaries.



ESQUENET

Mobile Safety Technology & Forklift Supplies

Pedestrian Tag (PT)

● Pedestrian Tag (PT)

When the pedestrian enters Caution or Danger area, it makes vibration and beep alarm. The pedestrian tag is configurable and rechargeable.

Installation		Attached on a helmet or an arm band
Interaction		VT
Alarm	Caution Range	"Beep-Beep-" sound, Vibration
	Danger Range	"Weeyo Weeyo", Vibration
	Low Battery	"Beebeep Beebeep" 5 times every 10 minutes.



Vehicle Tag (VT)

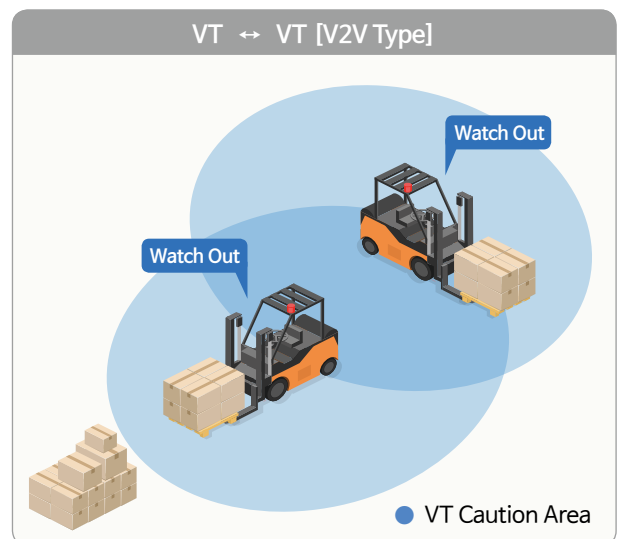
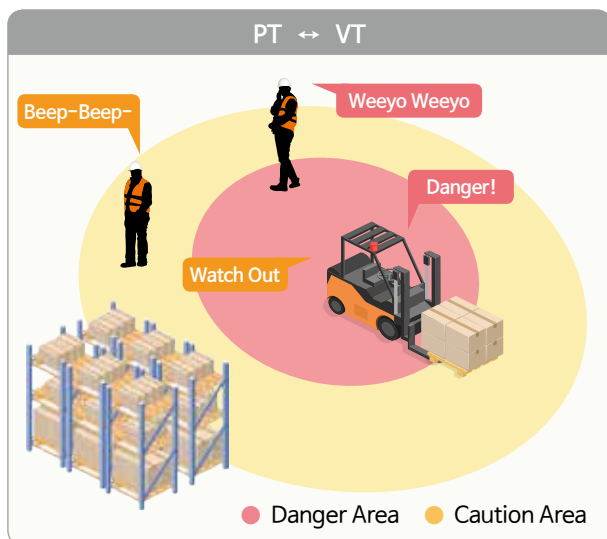
● Vehicle Tag (VT)

When the pedestrian enters Caution or Danger area, the indicator sounds "Watch out" or "Danger" repeatedly and the pedestrian gets vibration and beep alarm at the same time.

- **Standard (STD) Type** : Detect Pedestrian Tag (PT) Only
- **VT to VT (V2V) Type** : Detect Pedestrian Tag (PT) and Vehicle Tag (VT)



Installation	VT : Exterior / IND : Interior	
Interaction	PT, ZT, VT (V2V Type)	
Range	1 ~ 30m(Caution/Danger Area Proximity Settable)	
Alarm	Caution Range	Repeating "Watch Out" (Indicator)
	Danger Range	Repeating "Danger" (Indicator)
	VT Caution Range (V2V Type)	Repeating "Watch Out" (Indicator)



► Warehouses



► Factories



► Construction Sites



► Mining Sites



► Ports

Zone Tag(ZT)

● Crossway ZT

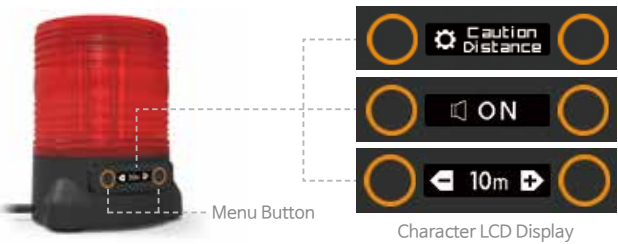
When multiple vehicles are entering into intersection area simultaneously, this product detects vehicles tags and makes voice alert and a spot beam to give a danger alarm to drivers.
(LED Spot : Red or Blue)



Installation	Attached on the ceiling of the intersection
Interaction	VT
No Vehicle Approaching	○ Marked
1 Vehicle Approaching	▽ Marked, LED Spot(Flashing), "Watch Out. Vehicle's approaching"
+2 Vehicles Approaching	× Marked, LED Spot(Flashing), "Danger. Another vehicle's approaching"

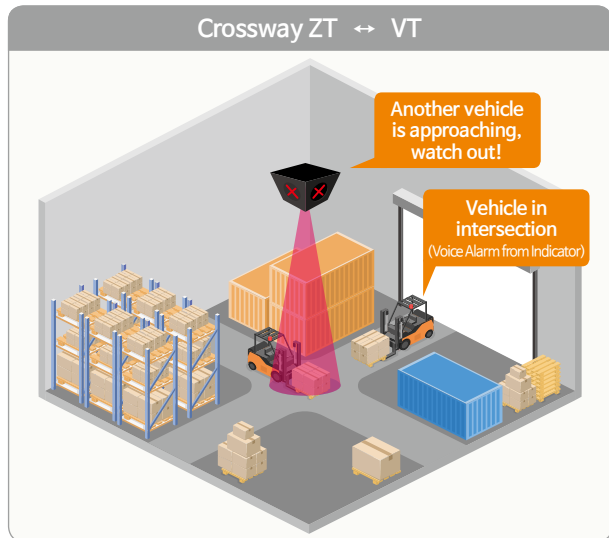
● Flashlight ZT

Being installed in the blind area, this product signals sound alarm for anti-collision between adjacent vehicles and pedestrians.

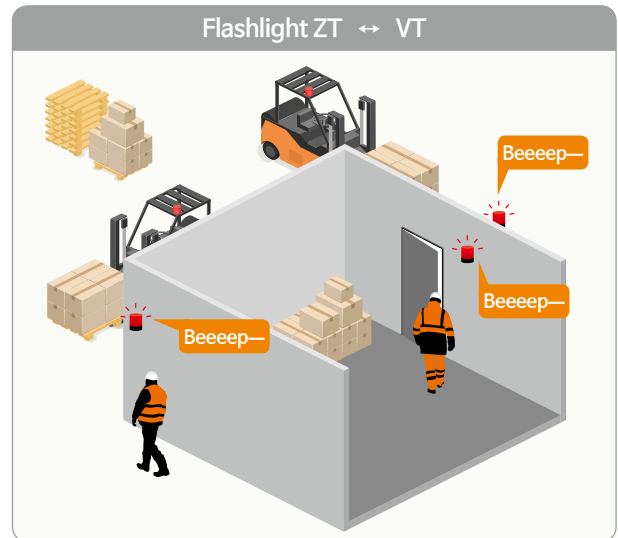


Installation	On the wall
Interaction	VT
Range	5 ~ 30m(5m Span)
Default	"Beeeeeep—", Flash
Option Speaker	Repeating "Watch Out"

Crossway ZT ↔ VT



Flashlight ZT ↔ VT



Application Case



► Forklift Roof / VT



► Inside Cabin / Indicator



► Helmet / PT

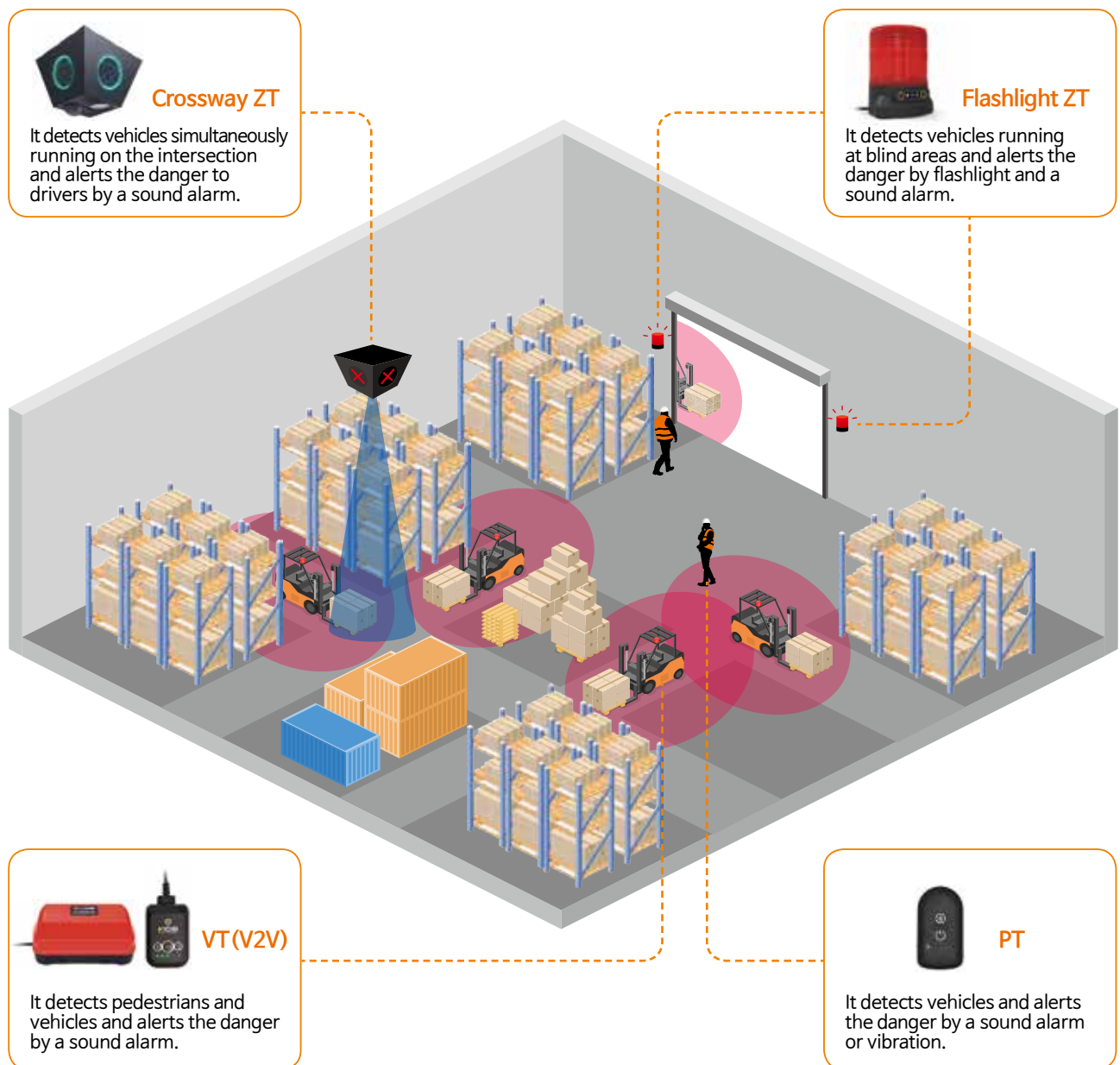


► Inside&Outside Office at Factory / Flashlight ZT



► Factory Indoor / Crossway ZT

Installation & Concept Map



Key Map for Operation and Sensing

