

# TSGS-30

## *TIBA Smart Guidance System*



*Remember the last time you've been into a parking lot, desperately searching for a vacant parking space?*

*Remember how much time and effort you wasted?*

***TIBA has good news for you!!!***

*Next time you find yourself in a parking lot, equipped with TIBA Smart Guidance System, it would be easy as a piece of cake...*



# TSGS-30

**TIBA** proudly presents the top of the line Parking Guidance System.

The **TSGS-30** is an electronic system, designed to assist drivers in finding quickly and easily a vacant parking space inside a parking lot.

The **TSGS-30** utilizes sophisticated technology, based on using Ultra-Sonic wave detector with Red-Green lights on top of each parking space.

The **TSGS-30** uses also electronic signage of directional arrows, guiding the driver to the nearest low-occupancy zone.

*Who needs the TSGS-30 system?*

- ❖ Shopping malls.
- ❖ Business centers.
- ❖ Entertainment centers
- ❖ Off street parking garages.
- ❖ Hotels.
- ❖ Universities.
- ❖ Hospitals.

*As a parking lot operator, why do I need to add a system, which does not seem to add any revenue?*

**To reduce costs and increase revenues!**

*How can the system increase my revenue?*

Customers will prefer a parking structure, which saves time in finding a parking spot.

When your regular customers or monthly parkers know they will find easily a parking spot in your facility, they will prefer to park in your parking lot instead of parking elsewhere.

# TSGS-30

*How can the system reduce my ongoing operational costs?*

- ✓ Less staff on duty to direct and assist drivers.

*How can the system reduce my ongoing maintenance costs?*

- ✓ Less repairs for faulty counting loops and loop detectors.
- ✓ Less pollution saves on CO filtering system costs.
- ✓ Less road maintenance costs.

*What other benefits will I gain, using this system?*

- ✓ Insure all spaces are fully occupied before closing zones in the lot.
- ✓ Satisfied customers for less hassle during parking.
- ✓ Maximize your control.
- ✓ Traffic flow optimization.
- ✓ Alerts for vehicles exceeding parking time.
- ✓ Less car pollution in the parking structure.
- ✓ Impressive scenic for a dull parking area
- ✓ Cutting edge technology
- ✓ Prestige

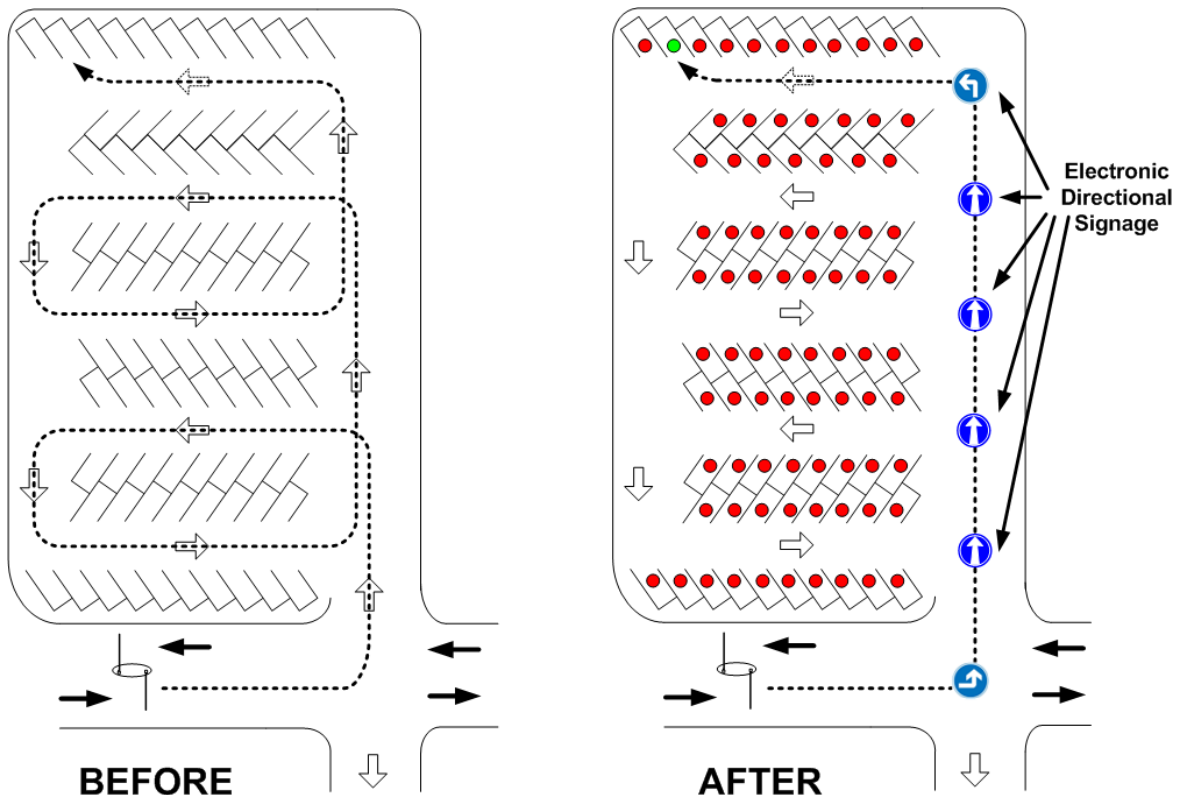
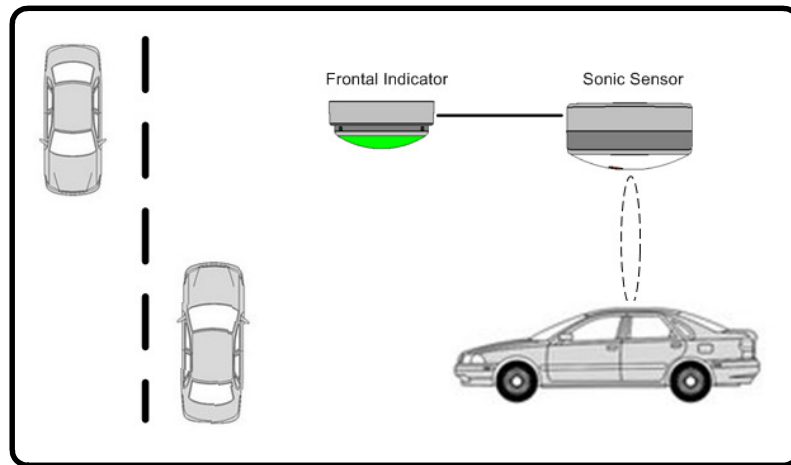
*On the operational side, what are the main differences between a traditional counting system and the TSGS-30?*

Traditional counting system requires directional loops placed at the entrance and exit lanes on each parking level. This leads the driver to the parking level but does not guide to the vacant place. Maintenance cost are an issue too when it comes to traditional counting systems.

# TSGS-30

## How does it work?

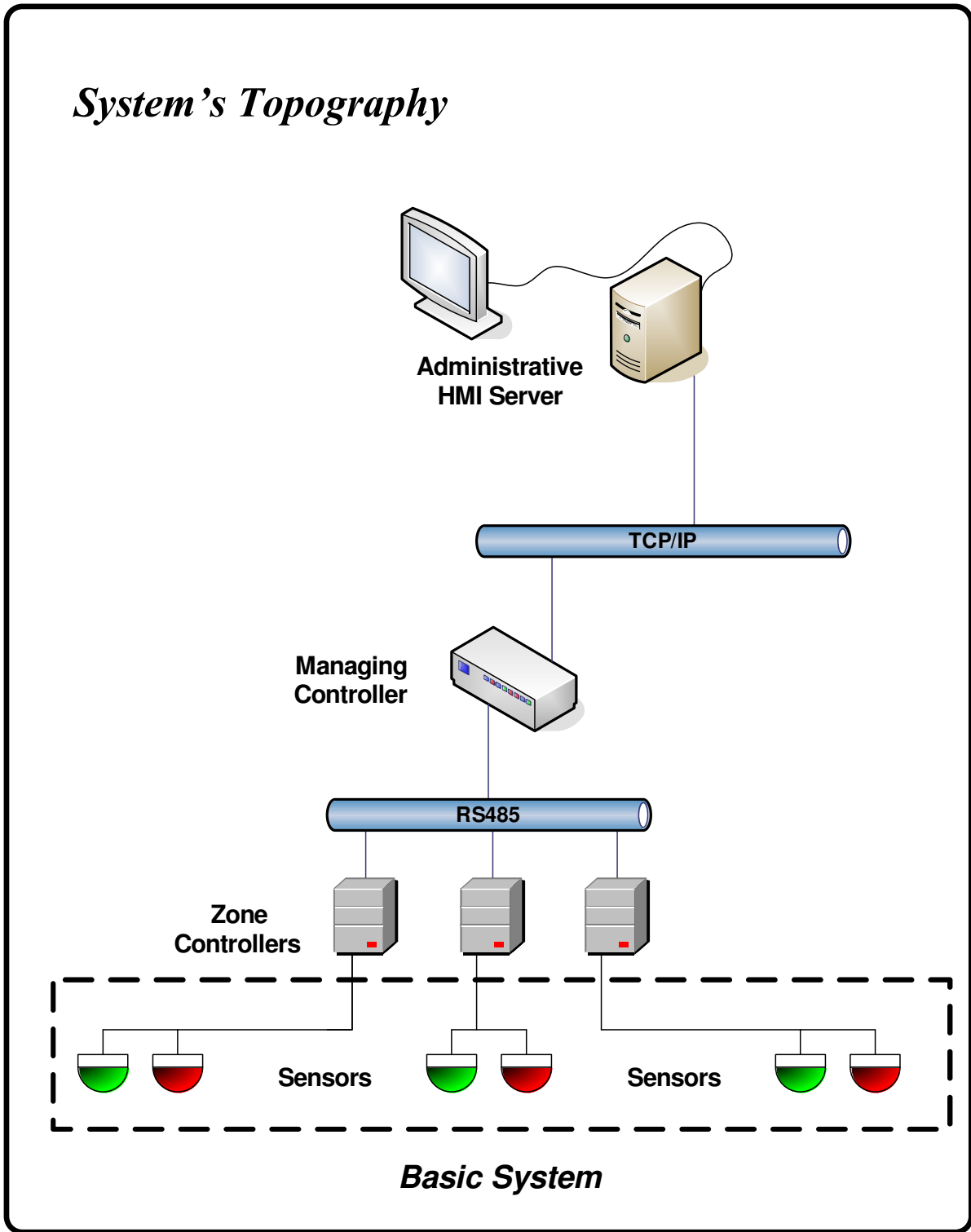
Ultra-Sonic sensors placed above each parking space indicate if the space is occupied. The information is sent to the management server, which updates the electronic traffic signage accordingly. The driver will be directed to a low occupancy zone. At the appropriate zone the driver will see a green light that will indicate the available parking space.



TSGS - 30 – TIBA Smart Guidance System

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## *System's Topography*

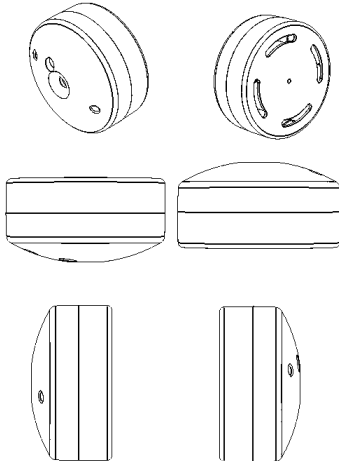
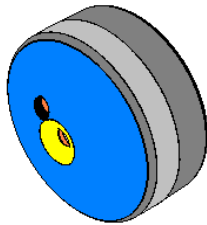
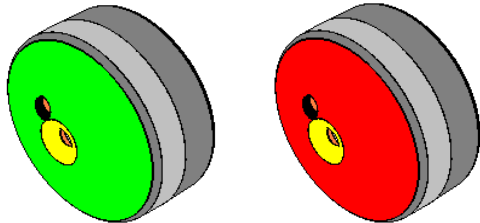


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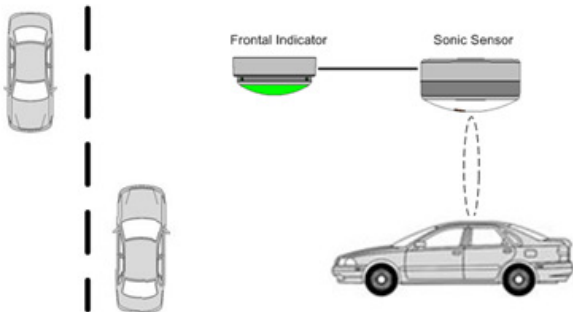
## G-Sense-30 Series - TIBA Smart Guidance System

G-Sense-30 - Ultra-Sonic parking spot sensor

### SPECIFICATIONS



### Sonic Sensor with Frontal Indicator



#### Features

Sensing Distance (Max)	305 cm / 10Ft
LED Viewing Angle	170 deg.
Luminous	2200 mcd.
Gradient luminous	Supported.
Sound wave freq	40 kHz ± 1 KHz

#### Operation

Processor	Embedded industrial controller
Communication & network	RS-485 industrial communication.
Operation mode	Stand-Alone or Remote controlled
Monitoring & control	<b>SCADA</b> real-time management. (Supervisory Control And Data Acquisition)

#### Housing – Solid PVC

Measurements	<b>Sensor dimensions</b> 115 mm (Width - Diameter) 60 mm(Height)
	<b>Frontal Indicator dimensions</b> 87 mm (Width - Diameter) 40 mm(Height)
Weight	<b>Sensor</b> 220 gr. <b>Frontal Indicator weight</b> 73 gr.
Color	Housing Black or white

#### Electrical

Power consumption	65 mA
Operating voltage	12 VDC

#### Environment conditions

Operating Temp.	-30 to +80 deg. C
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#### Ordering information

<b>G-Sense-30-GR</b>	Sensor unit includes Green & Red indicator in same housing.
<b>G-Sense-30-BR</b>	Sensor unit includes Blue & Red indicator in same housing. (Handicaps)
<b>G-Sense-30-C-RJ45</b>	Sensor unit without light indicators. Connects to frontal indicator. RJ45 type
<b>G-Sense-30-C-PH</b>	Sensor unit without light indicators. Connects to frontal indicator. Phoenix.
<b>G-IND-30-GR</b>	Frontal indicator. Green & Red indicator. Connects to G-Sense-30-C-RJ45 / C-PH
<b>G-IND-30-BR</b>	Frontal indicator. Blue & Red indicator, Connects to G-Sense-30-C-RJ45 / C-PH