



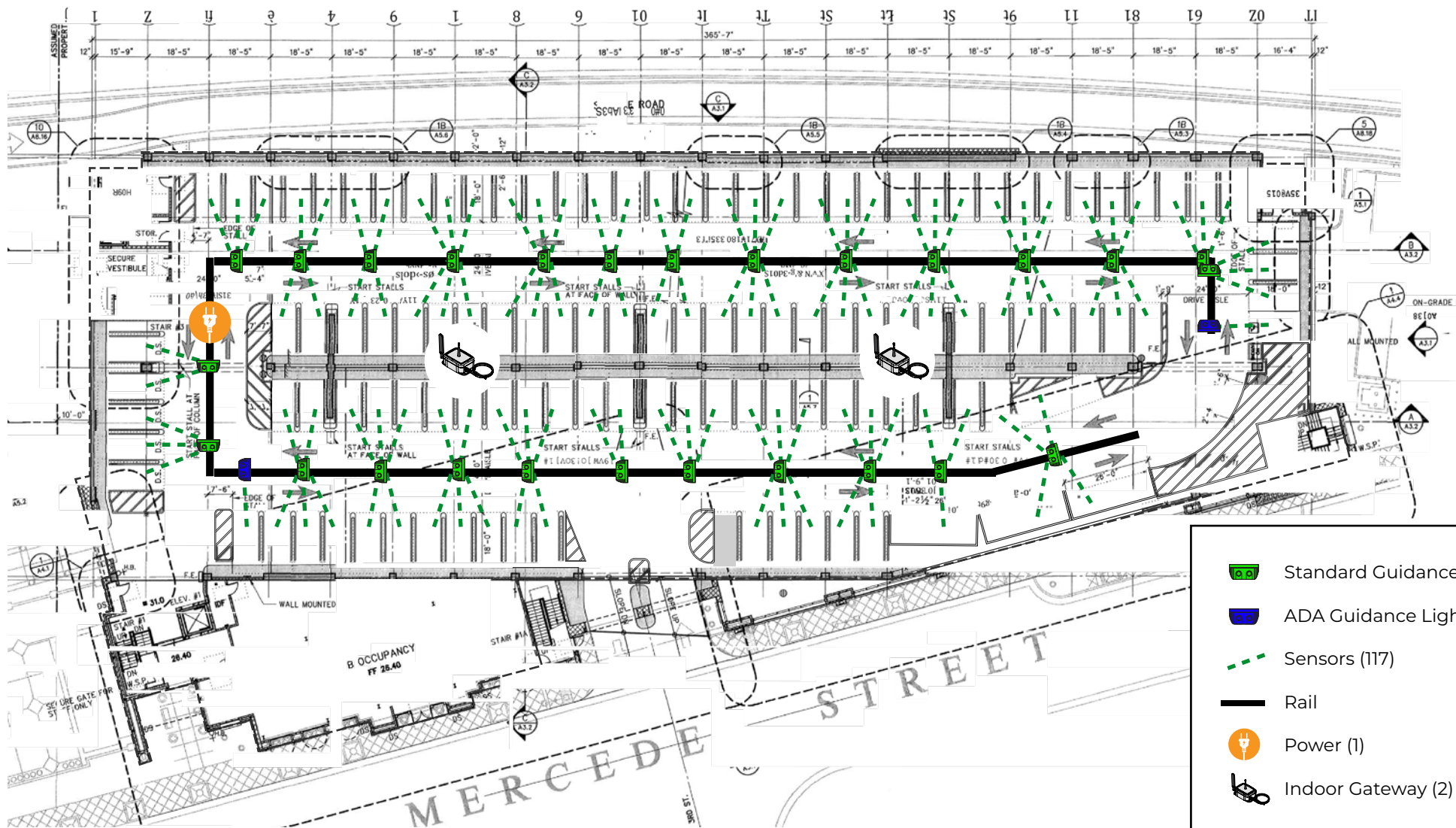
Proposal for City of Temecula Phase 2

July 2025



Markup for City of Temecula - Phase 2 - Parking Garage

May 2025



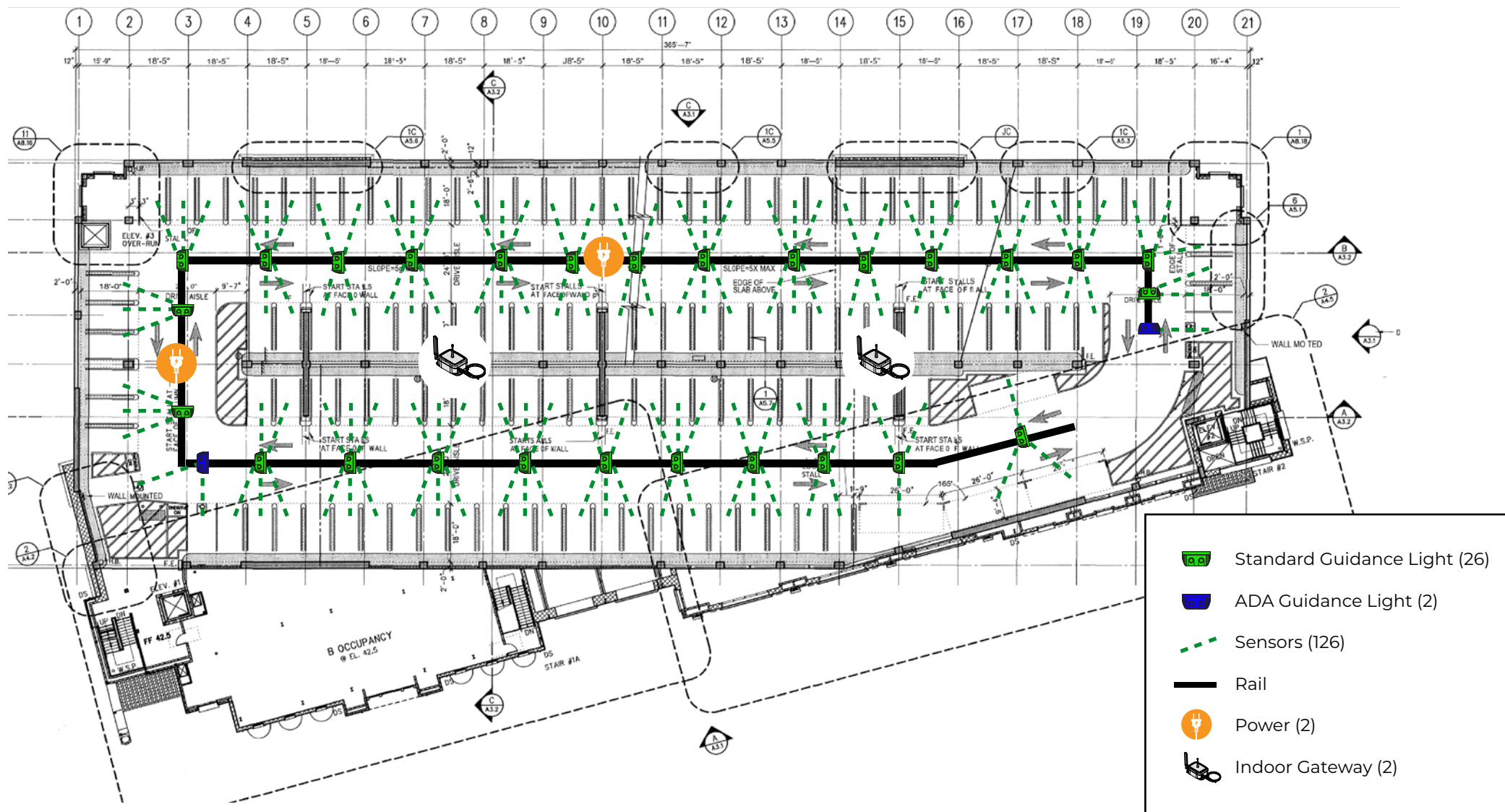
	Standard Guidance Light (26)
	ADA Guidance Light (2)
	Sensors (117)
	Rail
	Power (1)
	Indoor Gateway (2)



Frogparking Markup

Customer: City of Temecula
Date: May 2025
Reference: Level 1

* Project estimation only. Pricing may change due to unknown/unforeseen site specific factors.
 * Confirmation of product placement can be discussed closer to the time of purchase.

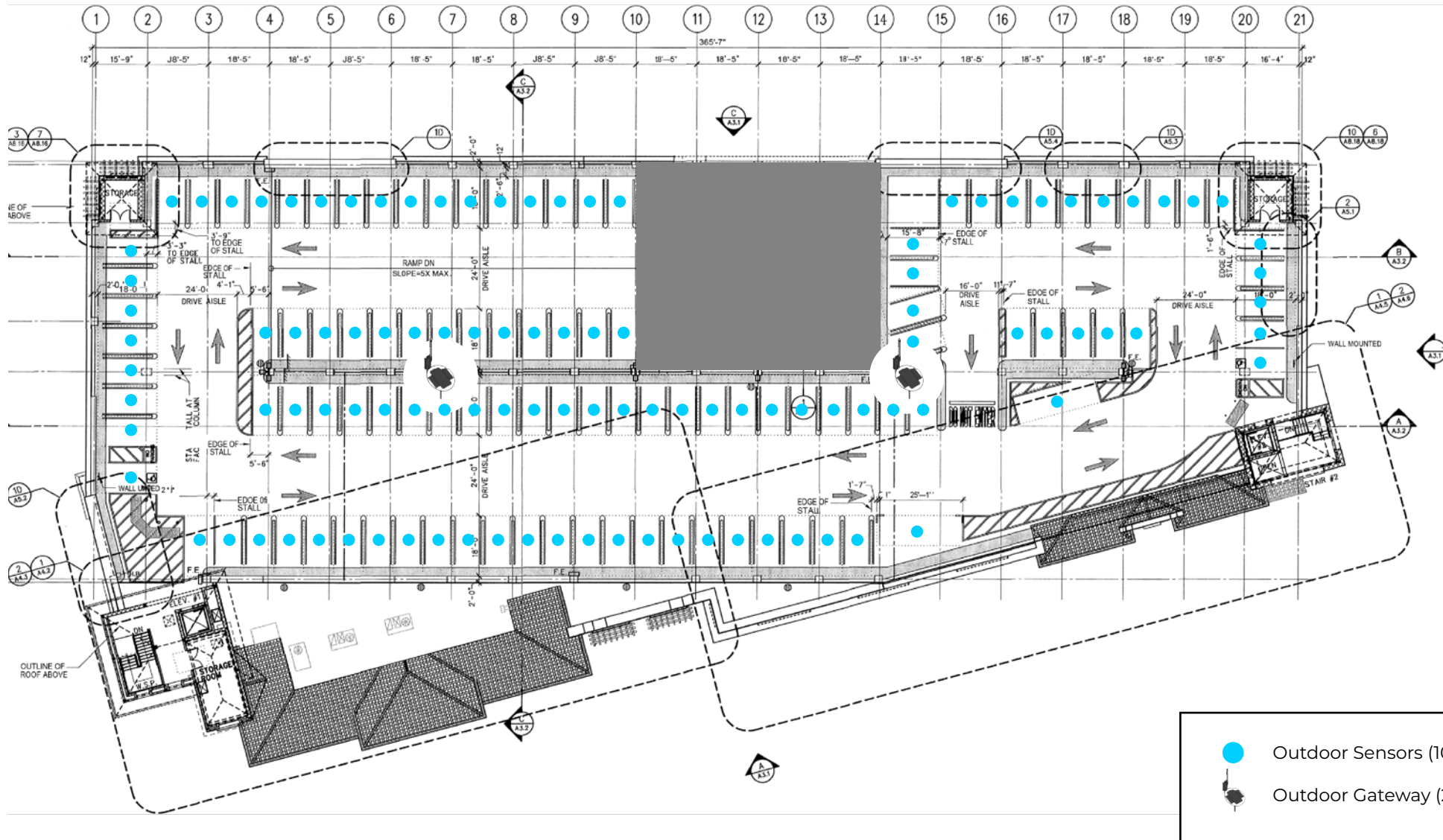


Frogparking Markup

Customer: City of Temecula
Date: May 2025
Reference: Level 2

* Project estimation only. Pricing may change due to unknown/unforeseen site specific factors.

* Confirmation of product placement can be discussed closer to the time of purchase.



Frogparking Markup

Customer: City of Temecula
Date: May 2025
Reference: Level 3

* Project estimation only. Pricing may change due to unknown/unforeseen site specific factors.

* Confirmation of product placement can be discussed closer to the time of purchase.

Parking Garage



Phase 2

Parking Garage First Year Cost

City of Temecula

41000 Main Street
Temecula, CA 92590

Frogparking Inc.

9273 Research Drive
Irvine, CA 92618

Jennifer Thomas

jennifer@frogparking.com

Quote created: July 17, 2025

Quote expires: August 18, 2025

PRODUCT AND SERVICES	QUANTITY	UNIT PRICE	TOTAL
FrogGuidance - Standard Laser Sensor	243	\$101.00	\$19,634.40 after 20% discount
FrogGuidance - Power Rail - USA, per bay	243	\$88.00	\$17,107.20 after 20% discount
FrogGuidance - Light - Power Rail Mount	56	\$311.00	\$13,932.80 after 20% discount
FrogLink - GPRS DC (4G)	4	\$1,940.00	\$6,208.00 after 20% discount
240W Power Supply	3	\$108.00	\$324.00

PRODUCT AND SERVICES	QUANTITY	UNIT PRICE	TOTAL
FrogSensor - Solar - Surface Mount	109	\$253.00	\$22,061.60 after 20% discount
FrogLink - GPRS Solar (4G)	2	\$1,977.00	\$3,163.20 after 20% discount
Project Management, Installation, Testing and Commissioning	1	\$85,906.22	\$85,906.22
SaaS- FrogHub (per space) - Annual subscription	352	\$15.00 / year	\$5,280.00 / year
SaaS - FrogLink data SIM connection - Annual subscription	5	\$193.00 / year	\$965.00 / year
One time discount, valid for 30 days			(\$15,500.00)
8.75% Tax			\$7,212.73

Total	\$166,295.15
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Comments 24 months warranty on faulty material and workmanship included on all hardware. Post 24 month warranty period an annual service & maintenance subscription will commence at the rate quoted. Project estimation based on a typical parking structure or lot. Pricing may change due to unknown/unforeseen/abnormal site-specific factors. Final pricing subject to a site visit or more detail on parking structure/lot both engineering and photographic. Customer to provide: - One standard 110-230V AC power connector (hot point) in a weatherproof electrical junction box for each mains powered gateway (indoors) and each LED display module - Traffic Management Plan if required
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Purchase terms

- Special one time discount applied for \$15,500, PO must be received within 30 days of quote.
- 25% of project completed
- 50% of project completed
- 100% of project completed
- Annual subscriptions payable annually in advance

On Street



Phase 2

On-Street First Year Cost

City of Temecula

41000 Main Street
Temecula, CA 92590

Frogparking Inc.

9273 Research Drive
Irvine, CA 92618

Jennifer Thomas

jennifer@frogparking.com

Quote created: July 17, 2025

Quote expires: September 30, 2025

PRODUCT AND SERVICES	QUANTITY	UNIT PRICE	TOTAL
FrogSensor - Battery - Flush Mount	1,025	\$243.00	\$199,260.00 after 20% discount
FrogLink - GPRS Solar (4G)	28	\$1,977.00	\$44,284.80 after 20% discount
Project Management, Installation, Testing and Commissioning	1	\$116,936.67	\$116,936.67
SaaS- FrogHub (per space) - Annual subscription	1,025	\$15.00 / year	\$15,375.00 / year

PRODUCT AND SERVICES	QUANTITY	UNIT PRICE	TOTAL
SaaS - FrogLink data SIM connection - Annual subscription	28	\$193.00 / year	\$5,404.00 / year
8.75% Tax Rate			\$21,310.17

Total	\$402,570.64
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Comments 24 months warranty on faulty material and workmanship included on all hardware. Post 24 month warranty period an annual service & maintenance subscription will commence at the rate quoted. Project estimation based on a typical parking structure or lot. Pricing may change due to unknown/unforeseen/abnormal site-specific factors. Final pricing subject to a site visit or more detail on parking structure/lot both engineering and photographic. Customer to provide: • One standard 110-230V AC power connector (hot point) in a weatherproof electrical junction box for each mains powered gateway (indoors) and each LED display module • Traffic Management Plan if required

Purchase terms • 25% of project completed • 50% of project completed • 100% of project completed • Annual subscriptions payable annually in advance

Maintenance



Phase 2

Phase 2 Maintenance

City of Temecula

41000 Main Street
Temecula, CA 92590

Frogparking Inc.

9273 Research Drive
Irvine, CA 92618

Jennifer Thomas

jennifer@frogparking.com

Quote created: July 17, 2025

Quote expires: September 30, 2025

PRODUCT AND SERVICES	QUANTITY	UNIT PRICE	TOTAL
FrogCare - Preventative	1	\$13,565.00 / year	\$13,565.00 / year

Total	\$13,565.00
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Comments

Purchase terms

- Annual maintenance will be payable annually in advance at the beginning of year three.

**Included in
this proposal**

FrogGuidance

Indoor Guidance Solution



Frogparking Indoor Guidance keeps you ahead of the game.

Empower your parking facility with Frogparking's world first, patented laser indoor guidance system.

Your visitors will come in feeling cool, calm & collected & ready to rock 'n roll - our system makes it so easy to find a park, quickly. Gone are the days of clunky old technology like cameras, infrared and ultrasonic - Frogparking's indoor guidance system is the latest & greatest in tech with plug & play installation, no conduit, servers or core drilling, accuracy that laughs at all other systems, and a beautiful design.

When the heat is on and your car park is super busy, users will easily glide into available parks making sure that the traffic isn't getting congested, and users are spending more time shopping, dining and relaxing and less time driving.



Trending Now

Cameras, ultrasonic & infrared are a thing of the past



No batteries, No worries.

Low maintenance compared to other indoor guidance products



Make real-time decisions

With truly accurate data at your fingertips

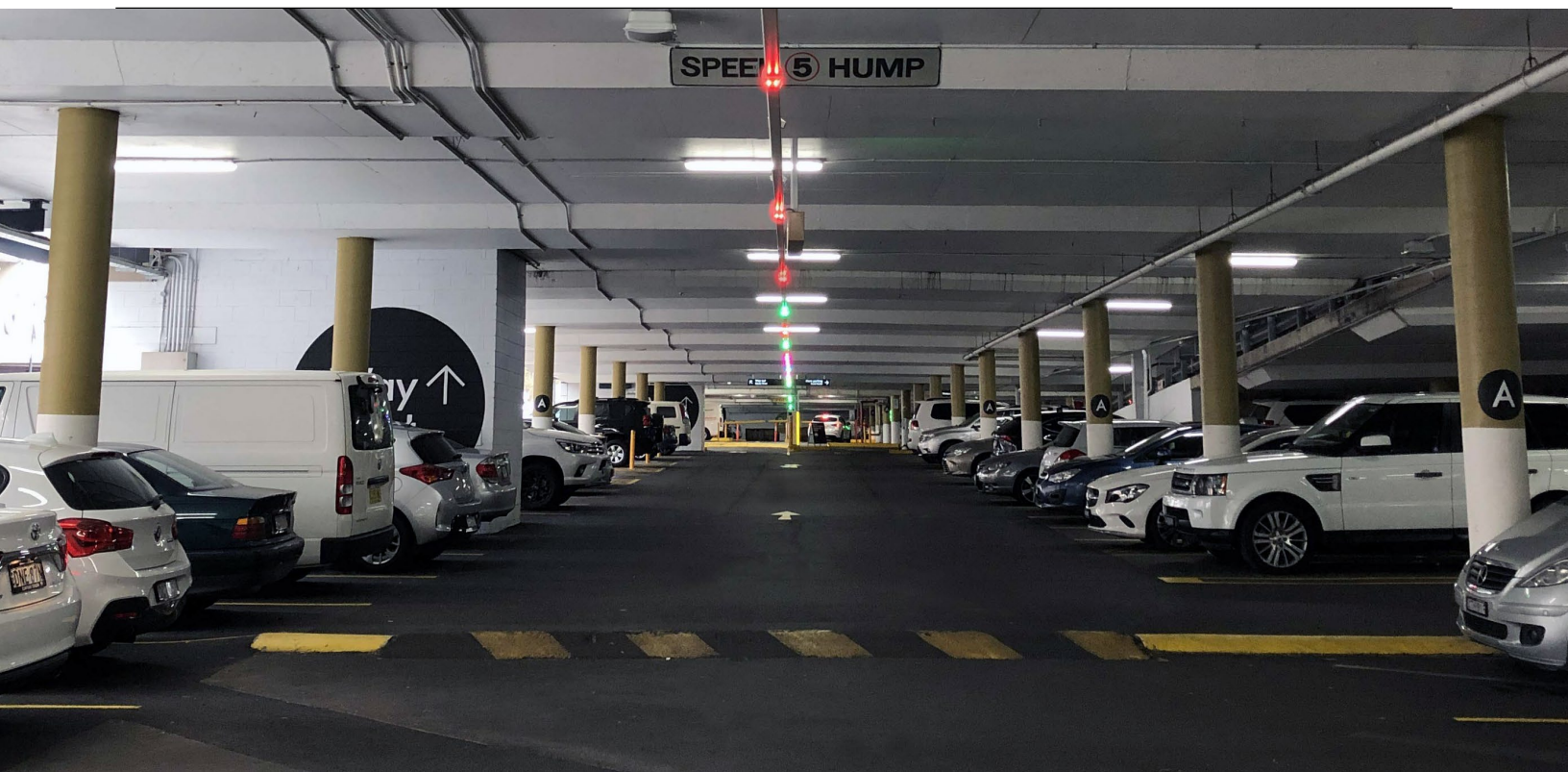


No core drilling

Maintenance installation

FrogGuidance

Indoor Guidance Solution



Get **accurate data** with our patented laser technology designed specifically for parking guidance.

Technical specifications

Ingress protection rating
65

Ambient operating temperature
-22°F – 176°F / -30°C - 80°C

Configuration
Wireless, web-based

Mounting Method
Direct to power rail

Enclosure
High impact, UV resistant, UL rated plastic

Detection
Class 1 (eye safe) laser sensors

Circuitry
Lead free circuit board with RoHS-standard components

Power
Mains powered

FrogSensor

Sleek. Consistent. Trending.



Guide motorists from their home to an available parking space using **state of the art occupancy sensors**.

Remove the guess work and frustrations normally involved in finding an available parking space at a busy parking lot by installing one of Frogparking's small sensors in the center of each parking bay, with specially designed variable message signage installed at key decision points in the parking lot which display occupancy information for motorists to make informed choices where to park.

Outdoor occupancy sensors, specifically designed for busy outdoor parking assets, are installed around the parking facility and gather occupancy data. Data is transferred wirelessly to Frogparking's server using solar-powered GPRS gateways.

From this cloud-based server, information can be displayed to parking users on variable message signage or a mobile application to assist users to make an efficient and informed decision about where to park, significantly reducing cruising time, improving traffic flow, and reducing emissions from vehicles.

FrogSensor

Sleek. Consistent. Trending.



Frogparking's sensors offer **unmatched accuracy for optimal parking** – guaranteed to enhance the effectiveness of your parking facilities.

Technical specifications

Diameter

Surface mounted 5.7" / 144.8mm
Recessed 3.6" / 91.5mm

Height (installed)

Surface mounted 0.9" / 22.86mm
Recessed 0.2" / 5.1mm

Weight

7.1 ounce / 201g

Enclosure

High impact UV stabilized polycarbonate

Mounting base

Fiber reinforced polycarbonate

Wireless communications

433 MHz, 866 MHz, 868 MHz, 915 MHz
(region dependent)

Circuitry

Lead-free circuit board. RoHS-standard components

Ambient operating temperature

-4°F – 176°F / -20°C -80°C

Software updates

Sent wirelessly, as required

Mounting method

Surface mounted or recessed

FrogLink

Seamless Parking Connectivity

FrogLink is the gateway between the sensors & the server.

Introducing FrogLink, **the essential backbone of Frogparking's innovative parking management system.** FrogLink serves as the crucial intermediary that seamlessly connects our state-of-the-art parking sensors with FrogSigns and the comprehensive FrogHub analytics dashboard.

Imagine managing 1500 sensors with precision—FrogLink collects all this data effortlessly and directs it in real-time to dynamic LED signage, ensuring drivers are guided to available spaces efficiently, while **simultaneously feeding valuable information to FrogHub for unparalleled live analytics.**

Designed to blend into the environment, FrogLink is available in both indoor (mains powered) and outdoor (solar powered) models, ensuring a clean, unobtrusive installation without any unsightly hardware. This robust connectivity solution **not only enhances operational efficiency but also revolutionizes the way parking is monitored and managed**, making FrogLink an indispensable component of the modern parking infrastructure.

- ✓ Discreet connector between the server & solutions
- ✓ Built to stand the test of time
- ✓ Designed to blend into the environment
- ✓ Can be placed virtually anywhere
- ✓ Extremely low maintenance
- ✓ Extremely low latency



FrogLink

Seamless Parking Connectivity



Designed to
blend into the
environment well,
keeping visual
clutter to a
minimum.

Technical specifications

Wireless communication

866MHz, 868MHz,
915MHz (depending on region)

Circuitry

Lead-free circuit board with RoHS-standard
components

Operating temperature

-4°F – 176°F / -20°C – -80°C

Software updates

Sent wirelessly as required

Power supply

Indoor: 36-72V DC (Optional AC converter)
Outdoor: Solar powered

Internet connectivity

4G

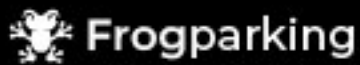
Mounting

Indoor: 2 x masonry screwbolt
Outdoor: Stainless steel strapping or adjustable
worm gear hose clamp, (size depends on the
diameter of mounting post)

Certifications

FC CE

Datasheets



Introducing

FrogGuidance

Powered by 

Efficient. Easy. Excellent.

FrogGuidance Features

Powered by 



Fits like a glove

Our hardware is tailored to work with your site's unique layout so you can be guaranteed a sleek design, that looks fantastic and meets all your operational needs.



Color zoning

Add your personal touch to parking zones by choosing your own custom LED colors. This makes it easy to spot available spaces, accessible parking, EV parking and more... all within a quick glance.



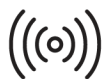
Cloud-based data

All of your valuable data is stored off-site using cellular data communication for added reliability and peace of mind. Plus, no need to find a room to jam-pack with servers.



Trending now

Say goodbye to outdated technology and hello to the new era in innovation.



Accurate detection

Use the accurate LiDAR technology to say goodbye to dated systems that use cameras, ultrasonic or infrared.



Fast and Reliable

Quick install with no batteries (low maintenance, lower administrative costs & say hello to increased revenue).



Sustainability

Improve utilization and lower carbon emissions by helping your customers find a parking space faster.



Various applications

Customizable with different variants e.g. dropper, chandler, rail mounted, single space, custom light fittings and more.

Introducing FrogGuidance – our world-class patented laser (LiDAR) indoor guidance system that is revolutionizing the parking experience.

LiDAR offers distinct advantages over cameras in various applications. It's effective in low-light situations, and its ability to penetrate obstacles such as foliage enhances its reliability. Additionally, LiDAR data is less complex than image data, simplifying processing requirements for certain applications. Moreover, LiDAR captures physical shapes and structures instead of detailed visual information, reducing privacy concerns compared to cameras.

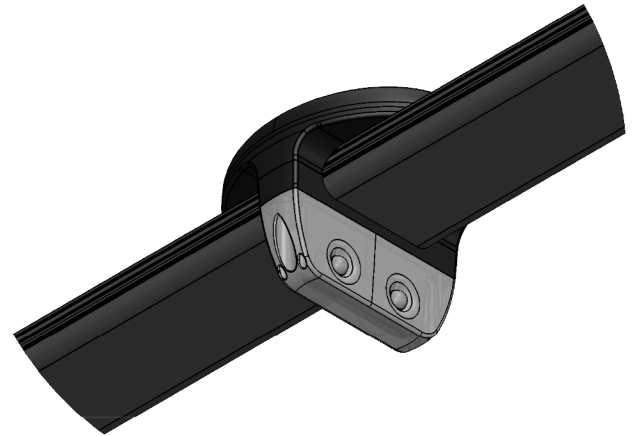
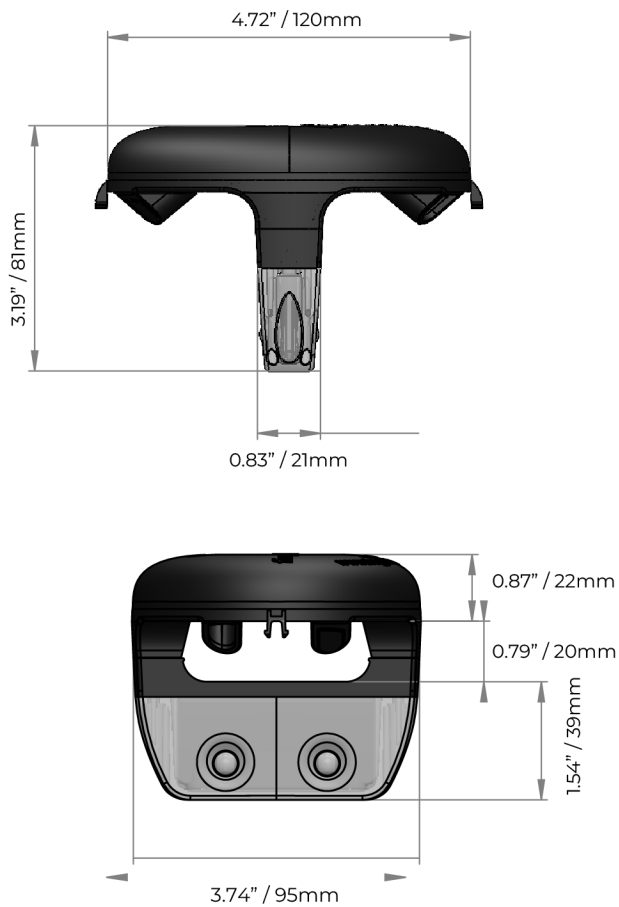
The FrogGuidance system makes navigating indoor parking structures effortless by using laser technology to detect the presence of vehicles and providing LED light guidance.

No matter the lighting conditions, the lasers can accurately detect the position and movement of vehicles and direct drivers to the nearest available parking space.

All data is displayed on Frogparking's cloud-based dashboard to give you world-class insights into your parking facility's performance.

FrogGuidance is easy to install and can be customized to suit the specific needs of each parking facility.

- ✓ Full color ultra bright LED's
- ✓ Each LED can service up to six LiDAR sensors
- ✓ No core drilling required
- ✓ Low maintenance compared to other indoor guidance products as no batteries
- ✓ Plug & play installation
- ✓ Aesthetically beautiful solution
- ✓ Customizable to be finished in your brand colors, or environment, to suit the palate



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Rail Mounted **Guidance** Specifications

Ingress protection rating

65

Ambient operating temperature

-22°F - 176°F / -30°C - 80°C

Configuration

Wireless, web-based

Mounting Method

Direct to power rail

Enclosure

High impact, UV resistant, UL rated plastic

Detection

Class 1 (eye safe) laser sensors

Circuitry

Lead free circuit board with RoHS-standard components

Power

Mains powered

Guidance light

Full color, ultra bright LEDs. Can service up to 6 LiDAR sensors. Displays green when one or more spaces are vacant, and red when all are occupied. Customizable e.g. blue for ADA, pink for parental parking, yellow for EV.

LiDAR sensor

One LiDAR sensor per parking space. Mounted on 'power rail' in the center of the parking aisle.

Invisible laser beam

Our eye safe LiDAR sensor is able to detect the presence of a vehicle in the parking space.

Power rail trunking

Conceals low voltage DC cabling from each LiDAR to the guidance lights.

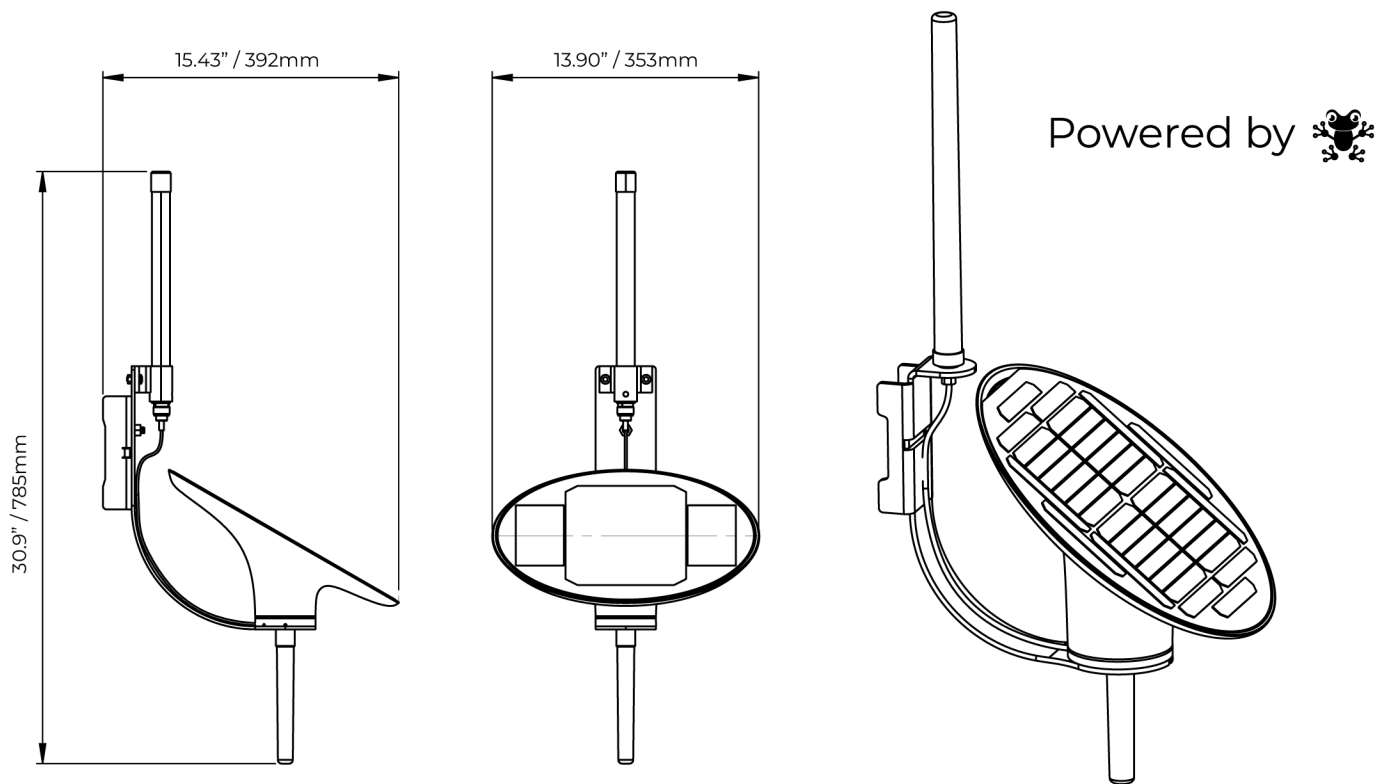
Introducing

FrogLink

Powered by 

Smart. Robust. Certified.





Solar Powered FrogLink Specifications

Wireless communication

866MHz, 868MHz,
915MHz (depending on region)

Circuitry

Lead-free circuit board with
RoHS-standard components

Operating temperature

-4 °F to 176 °F / -20 °C to 80 °C

Software updates

Sent wirelessly as required

Power supply

Solar powered

Internet connectivity

4G

Mounting

Stainless steel strapping or adjustable worm gear hose clamp,
(size depends on the diameter of mounting post)

Certifications:

FC CE

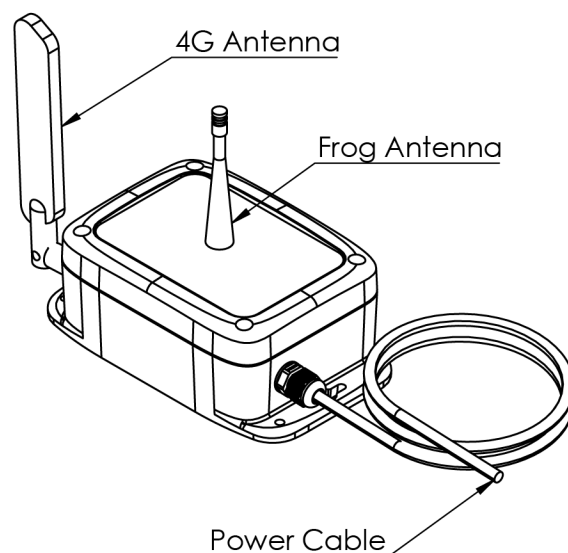
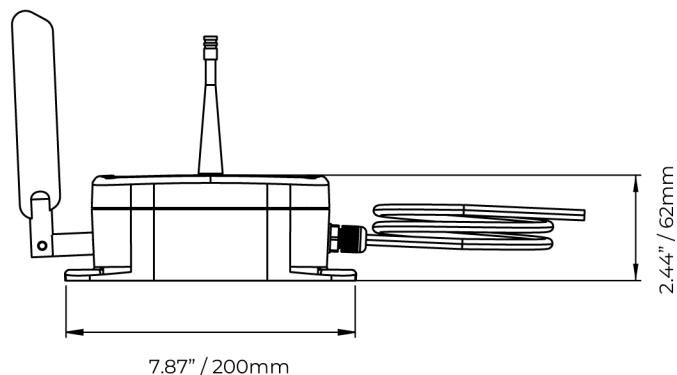
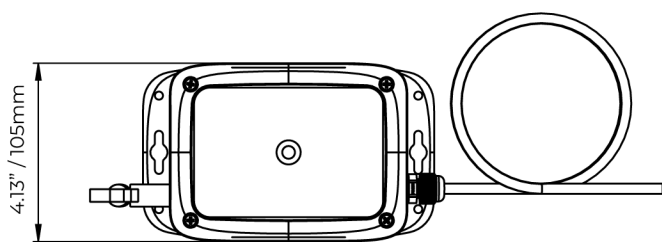
Introducing

FrogLink

Powered by 

Smart. Robust. Certified.





Powered by 

Mains Powered FrogLink Specifications

Wireless communication

866MHz, 868MHz,
915MHz (depending on region)

Circuitry

Lead-free circuit board with
RoHS-standard components

Operating temperature

-4 ° F to 176 ° F / -20 ° C to 80 ° C

Software updates

Sent wirelessly as required

Power supply

36-72V DC
Optional AC converter

Internet connectivity

4G

Mounting

2 x masonry screwbolt

Certifications:

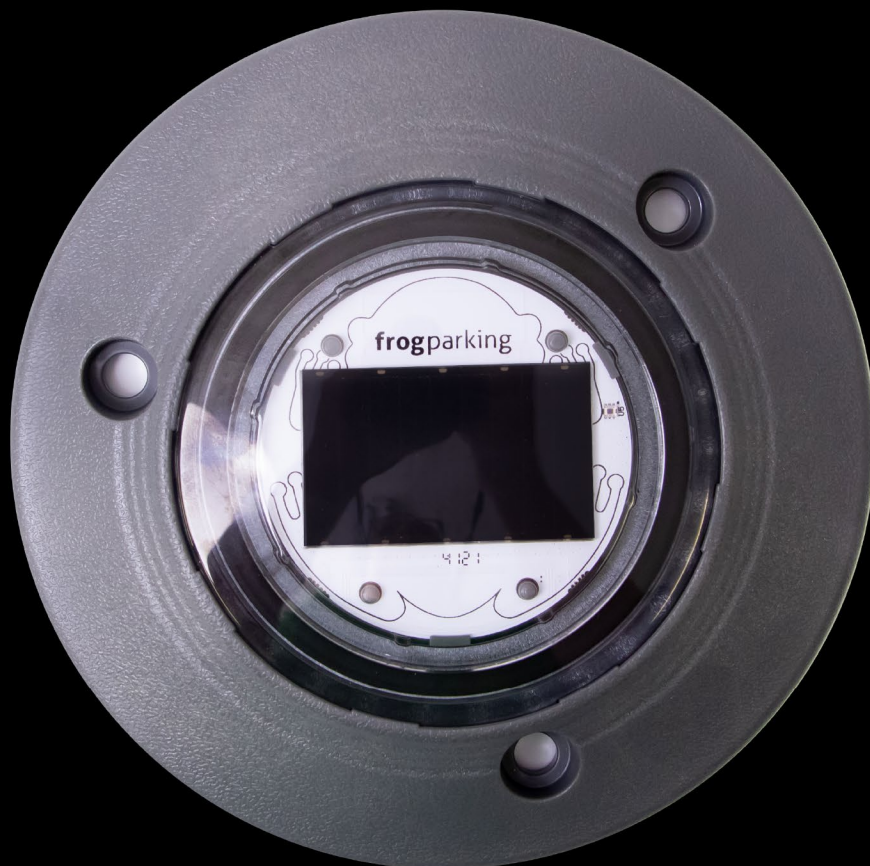
FC CE

Introducing

FrogSensor

Powered by 

Sleek. Consistent. Trending.



FrogSensor Features

Powered by 



Built to last

Proven rock-solid reliability for more than a decade.



Installed in minutes

You can set your outdoor FrogSensor however you like – mount it, make it flush, or even recess it within the road for a seamless and discreet look



Seamless integration

You can make it your own by easily teaming it up with third-party hardware for a fully customized solution.



Accurate

We have pinpoint accuracy which will enhance revenue immediately.



Multiple variants

We have multiple variants of FrogSensor, available to suit your specific requirements.



Remotely updated

We keep your system up to date effortlessly by updating the firmware remotely. This way, you always have the latest and greatest software without lifting a finger.



Wireless Communication

Our sensors are always communicating with FrogHub, which means you have real-time data at your fingertips.



Trending now

Say goodbye to outdated technology and hello to the new era in innovation.

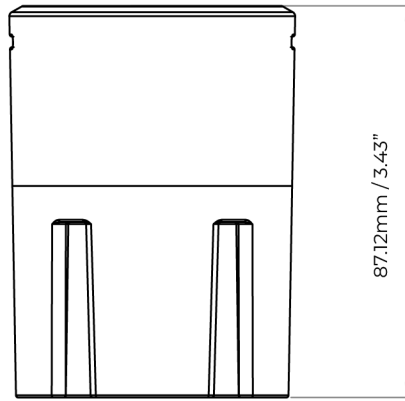
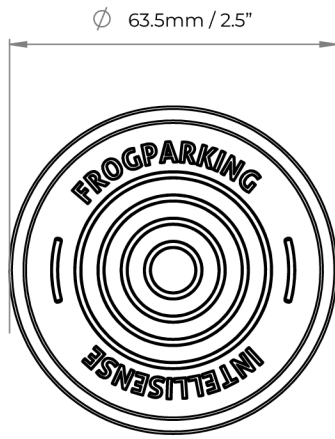
Introducing the world's first FrogSensor, a parking management sensor guaranteed to **revolutionize your car parking facilities revenue and effectiveness.**

Frogparking's original solution, our world-first patented and enduring technology, has clearly proven its reliability in diverse environments and weather conditions.

Our FrogSensor range has expanded rapidly to include innovative outdoor sensors, that can consist of many variants. This allows for a customized solution that works in any environment.

The data from the sensors is wirelessly transmitted to your FrogHub dashboard, for real-time data access. The data from these sensors will improve your understanding of your data assets, occupancy rates, utilization rates and more.

- ✓ Can be installed in a variety of mounting options
- ✓ Extremely durable with reliable operations for 15 years +
- ✓ Uses multiple detection methods
- ✓ Quick and easy installation
- ✓ Say goodbye to constant maintenance and battery replacements
- ✓ Payment & enforcement integration improves compliance



Powered by 

Battery Sensor Specifications

Diameter

2.17" / 55mm

Height (installed)

0" / 0mm

Weight

10.58 ounce / 300g

Enclosure

High impact UV resistant polymer

Power source

Battery-powered

Detection

Three axis magnetometers combined with RRSI object and optical detection

Certification



Wireless communications

433 MHz, 866 MHz, 868 MHz, 915 MHz
(region dependent)

Circuitry

Lead-free circuit board. RoHS-standard components

Ambient operating temperature

-22°F – 176°F / -30°C -80°C

Software updates

Sent wirelessly, as required

IP rating

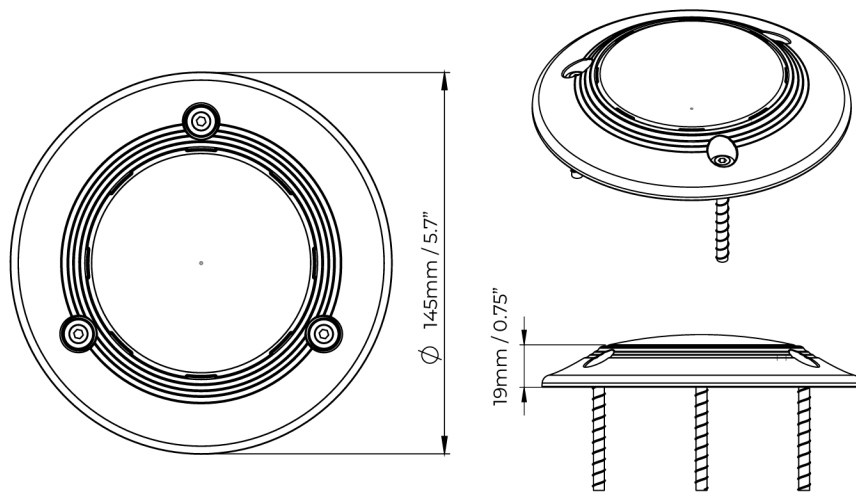
65

Mounting method

Flush mounted

Requires 2.55" x 3.46" / 65mm x 88mm depth hole to accomodate main body of the sensor.





Surface Mounted **Solar Sensor** Specifications

Diameter

5.7" / 144.8mm

Height (installed)

0.9" / 22.86mm

Weight

7.1 ounce / 201g

Enclosure

High impact UV stabilized polycarbonate

Mounting base

Fiber reinforced polycarbonate

Wireless communications

433 MHz, 866 MHz, 868 MHz, 915 MHz
(region dependent)

Circuitry

Lead-free circuit board. RoHS-standard components

Ambient operating temperature

-4°F – 176°F / -20°C -80°C

Software updates

Sent wirelessly, as required

Mounting method

Surface mounted

Requires three masonry screwbolts



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