



ELECTRIC VEHICLE CHARGING STATION SOLUTION

THERMAL FIRE PREVENTION AS THEY CHARGE



Solution strengths

Advances in mobility coupled with concerns for our environment have led to rapid development of Electric Vehicles (EVs), and EV Charging Stations. Regulations are driving this too – for example France's 2019 Mobility Orientation Law requires them to be present in every car park. However, the addition of these stations also brings a fire risk, which can be managed using thermal technology.

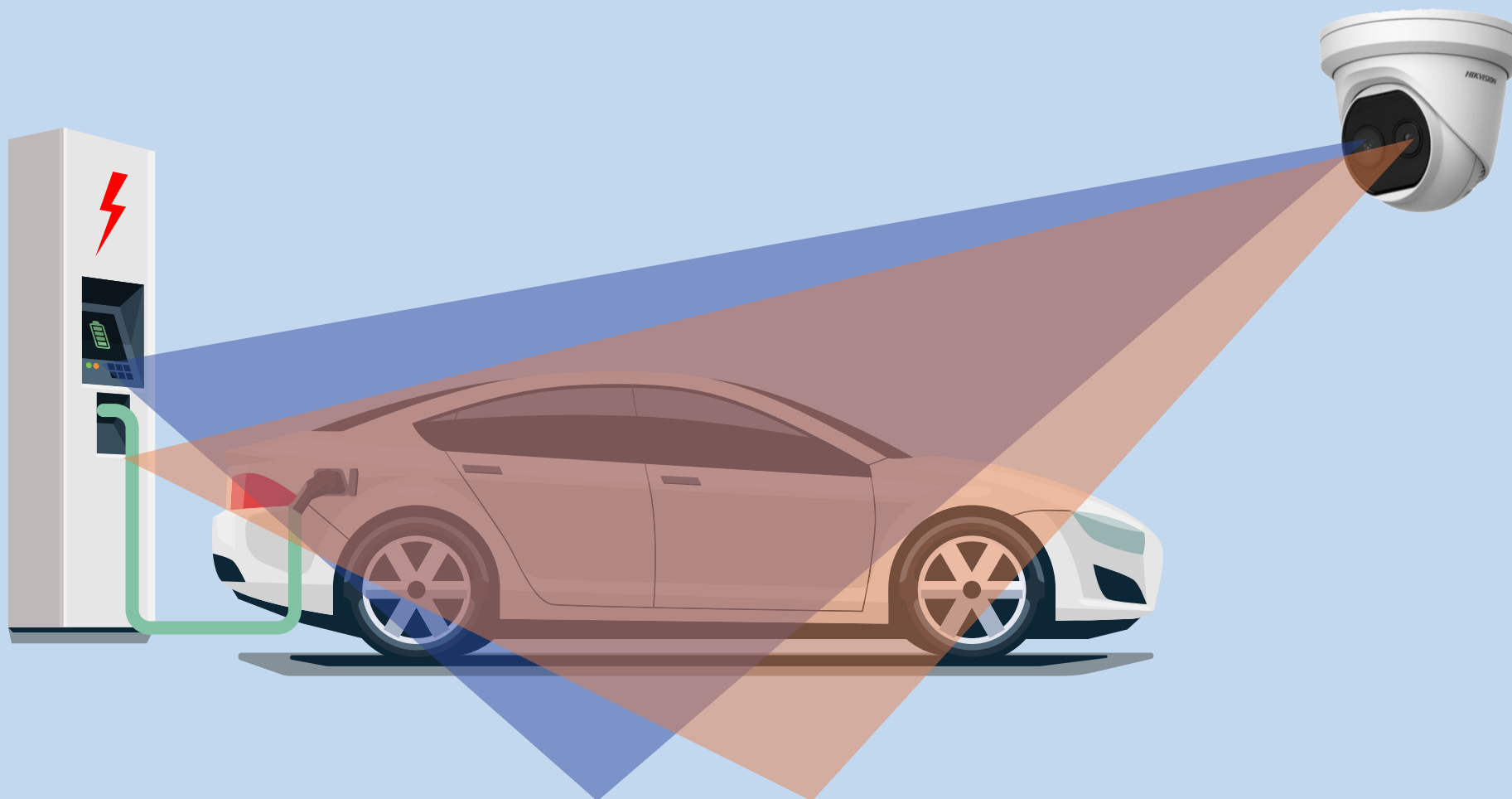
Like all electrical equipment that provide a lot of power, the elements in a charging station heat up easily. Both the terminal and electric vehicle batteries heat up during charging, becoming a potential fire risk. In fact, operators actually suggest using monitoring equipment for this reason.

Hikvision, world leader in the security solutions market, has a wide range of thermal products that can manage this risk. Thermal cameras can **detect the abnormal rise of temperature** in the station or charging car, alerting car park operators before a fire actually starts. In fact, they provide a **faster detection** method compared with conventional detectors. The solution uses Thermal & Optical Bi-Spectrum cameras, so **video verification** provided by the optical lens can **prevent false alarms**. Every camera is **georeferenced** by level and parking area, so when an incident is detected, the operator can check the location visually.

With a variety of options – **both indoor and outdoor**, the Hikvision Electric Vehicle Charging Station Solution is flexible to meet the needs of any car park operator. There's also an option to integrate a thermal camera into the charging station itself.

Single space option

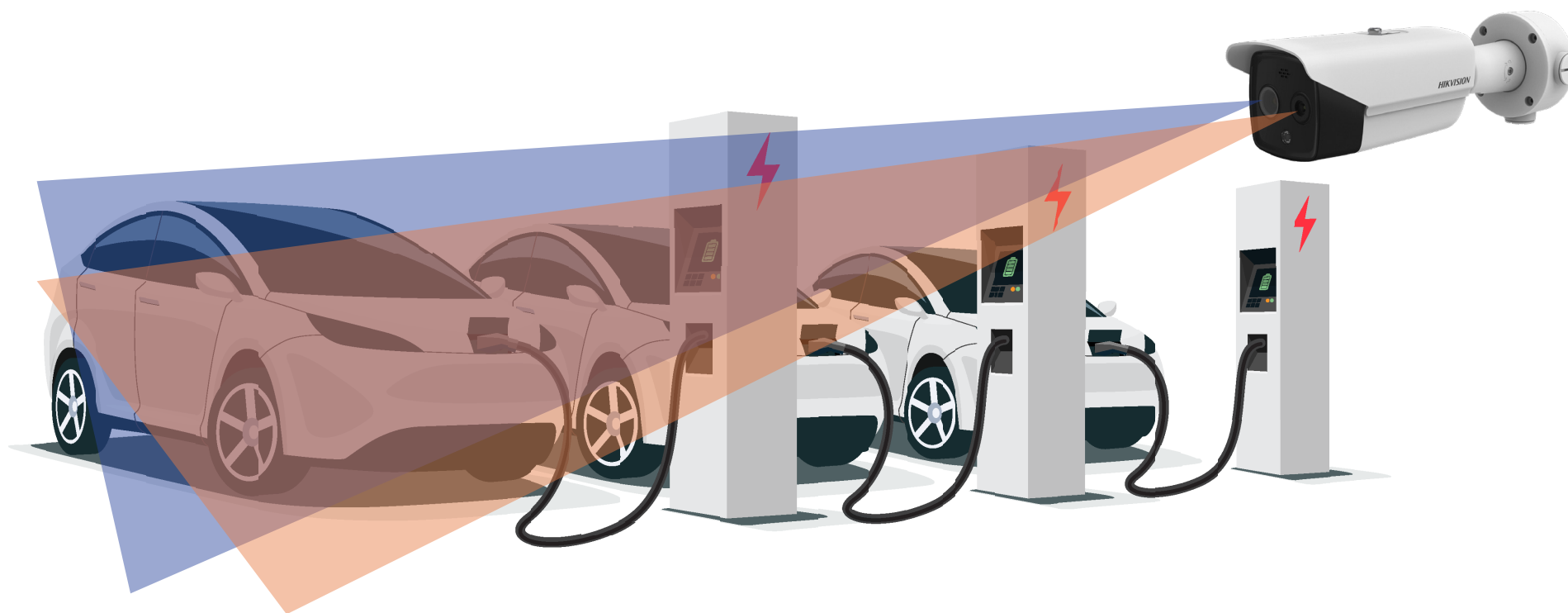
A Thermal & Optical Bi-Spectrum Network Turret Camera is configured to focus its thermal lens on the charging station and optical lens on the parking space, covering the car itself.





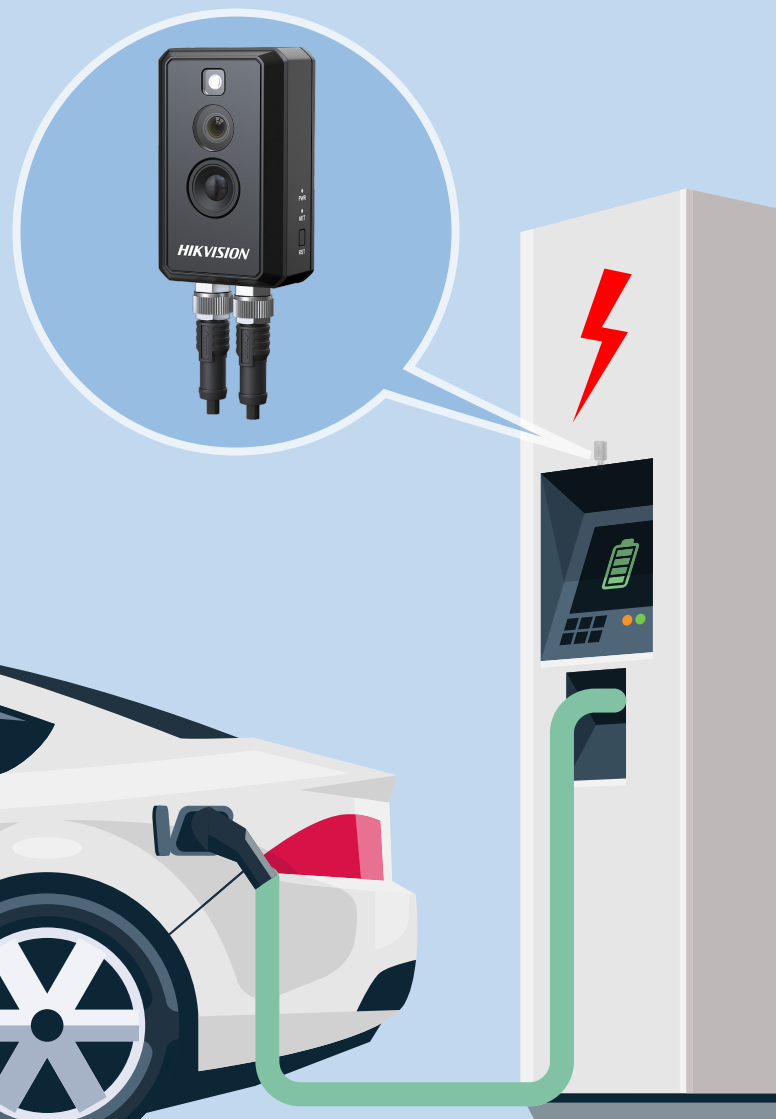
Multi-space option

A Thermal & Optical Bi-spectrum Network Bullet Camera provides a wider field of view. This allows more distance between the camera and the parking space, making it possible to cover more of the car park.



Integrated option

A Thermographic Cube Camera is installed directly into the charging station, monitoring temperature from within the unit itself. This would be a useful option in cases where there are fewer charging stations or where securing the area is not necessary.



About Hikvision

Since 2001, Hikvision has grown from being a single-product supplier to the world's leading provider of security products and solutions. From the early digital age to today's intelligence era, we have seized every opportunity to advance the industry with our innovative technologies. And venturing into new areas of inspiring technology – such as Artificial Intelligence, cloud computing, and the fusion of deep learning and multi-dimensional perception technologies, to name a few – Hikvision leads the security industry as an IoT provider with video as the core competency. Now we have brought these innovation to the parking market, combining them with partner technologies to provide state-of-the-art solutions.

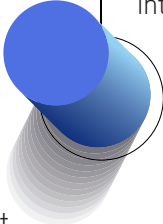
Hikvision Partner Ecosystem

Hikvision believes that close collaboration with its ecosystem of partners can further accelerate innovation, while also securing maximum value creation for its customers and their communities. A cornerstone of the ecosystem is the Technology Partner Program (TPP). Together, Hikvision and its technology partners combine expertise, skills, technological understanding, and industry focus to deliver optimum solutions, expand business scope, and increase profitability. The integration of Hikvision's innovative video technology with the technologies born out of these programs offers end-user customers with secure, customized solutions.

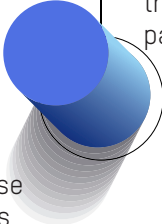
Why Hikvision?




We aim to be experts in all industries we focus on, enabling us to design tailor-made **solution** that solve specific industry challenges



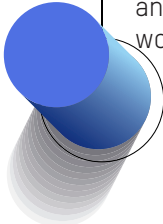
Our robust network of **eco-system partners** allows us to offer innovative and fully integrated solutions



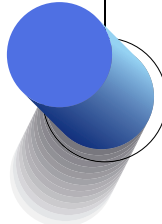
We create **trust** in our solution by participating in industry organizations and providing extensive training programs for partners



5-year warranty, secure-by-design products and 3rd party **quality** certifications show our commitment to quality



We have an extensive **support** network, that ranges from a fully equipped local team to branch offices and R&D teams all over the world



Our broad multi-purpose product range provides **versatility** for tailor-made solutions



We aspire to use innovative technologies to contribute to the **sustainable** development of society and the environment. As a responsible corporate citizen, we are dedicated to public welfare

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