

LPR JamTrap



LPR Jamming Detector Camera

It's only human to believe we're secure, but reality tells a different story. Most organizations have faith in their security measures... but the truth is: you may not have the necessary protection to handle an infrastructure attack. The assessment these days is that any violation or hostile intent will be associated with by a GPS Jamming event. In addition, individual drivers trying to disappear for a personal mission can block GPS/GNSS with a device bought online for a very small budget using car lighter socket. This situation affects our highways and other critical infrastructure.

Key Features

- Easy to install and use
- Detection of jamming threats
- Alerts of intentional and unintentional attacks on GNSS frequencies
- Easily identify location of Jamming attack
- High quality imaging with 9MP resolution (1" GMOS)
- Excellent low-light performance, Colour: 0.001 Lux@ (F1.4, AGC ON)
- Efficient H.265 compression technology
- 3D DNR technology delivers clean and sharp images
- Supports license plate recognition (LPR)
- Vehicle feature recognition: vehicle type/ color/manufacturer/licence plate colour recognition, no-plate vehicle capture
- Opt. violation behaviour detection: driving on lane line, illegal lane change, wrong way driving detection, seatbelt and phone call detection.
- Application Scenarios: airports, railway stations, highways, tunnels, toll stations, urban roads, etc.

Jamming Detection with Licence Plate Recognition

Visibility of GNSS jamming is essential to learn about this increasing threat. Jamming violations are most common these days and they affect all devices being served by GNSS positioning, navigation and timing (PNT) information.

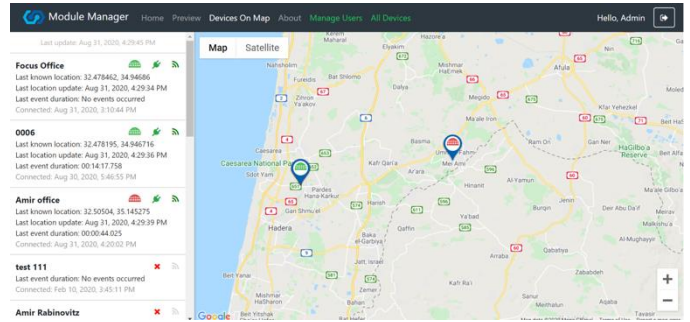
The JamTrap is an LPR Traffic Camera that detects Jamming. Once the device identifies a Jamming event, it will capture the licence-plate of the hostile vehicle and report it back to the security operations centre.

Focus Telecom's JamTrap is a unique patented intelligence device, based on Hikvision Camera. The camera captures an optimized image of the vehicle and information such as license plate number, vehicle type, vehicle colour, and radar-detected vehicle speed. This data will be overlaid onto the captured image. The image capture rate, licence plate recognition rate and vehicle feature extraction accuracy are all guaranteed by field-proven Deep Learning algorithms, along with powerful GMOS sensors featuring much better imaging than conventional ANPR camera sensors.

InfiniCloud monitoring and management

LPR JamTrap provides real time monitoring that is reported to our security cloud (InfiniCloud) over a cellular link, or to the customer's dedicated cloud:

- Alerting of intentional and unintentional attacks on GNSS frequencies
- Which site is under attack
- Intensity of the attack at any given moment and how it changes over time
- Duration of the attack
- Regular monitoring of each site, displaying daily/weekly GNSS & cellular data:
 - Number of satellites tracked
 - Quality of satellite reception (SNR)
 - Quality of cellular reception



Specifications

InfiniCloud Features

- Cloud based monitoring of critical assets
- Industry's first GPS cyber attack monitoring and management system
- Allows for control and visibility of GPS health and attacks for critical assets
- FCAPS - Fault management and handling, module Configuration, Accounting (Inventory), Performance, and Security management
- Geographical map that displays location and status of all monitored devices in real time
- Dashboard reporting of current GPS (GNSS) status, cellular signal quality, and detailed GPS attack information.

Ordering Information:

LPR JamTrap Part no. **XXXX**

About Focus Telecom

Focus Telecom is a global provider of time synchronization solutions since 1995, offering consulting, cyber defence and synchronization solutions. Our end-to-end timing solutions generate, distribute and apply precise time for multiple industries: Communications, Government & Security, Finance & IT, Industry & Infrastructure.

We enable our customers to build more reliable networks and systems supporting today's precise timing standards.

Want to learn more?

Contact Focus Telecom to find the right products and technologies for your timing and synchronization needs.

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