



# V5 System's Self-Powered, Portable Edge Computing Platform

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Gain situational intelligence anywhere with outdoor security and edge computing solutions

Providing security coverage for outdoor environments can be difficult. Many outdoor areas do not have access to a fixed power source or internet connectivity, which are requirements for most surveillance systems. Extending power and connectivity to an area often involves expensive trenching and time-consuming permitting, so deployment can take months or years. Fixed installations also lack the flexibility to support one-time events such as rallies, sporting events, and concerts.

The Dell and V5 System's Portable Computing Platform is an easy-to-deploy outdoor IoT security and edge computing solution. The self-powered system is easily installed and avoids the expense, time consuming nature and delays that come with trenching. The system is re-deployable and can be moved freely for short-term or temporary needs. Solutions from V5 Systems include an Intel® ATOM™-based Dell gateway which offers manageability, security, connectivity, and performance for edge analytics.

### Benefits of the Solution:

- > Real-time notifications with intelligence at the edge
- > Portable, self-powered
- > Wireless solution, easy installation
- > Eliminates trenching costs
- > Cloud-based system for easy management
- > Setup time < 30 mins (traditional systems take months to years)

Having computing power at the edge with the right sensors allows for edge analytics, enabling real time alerts for numerous applications. The three main categories of applications include:

#### Outdoor Edge Safety

- Portable License Plate Recognition (LPR)
- Gun-shot and fireworks detection
- Object, gesture detection
- Chemical, gas, and other sensing technologies

#### Outdoor Edge Computing

- AI computing at the edge without a data center
- Collect, analyze and relay sensor data for immediate alerts, completely wirelessly
- On-board data storage

#### Outdoor Edge Power

- Portable power – 1KWh devices for up to 5 days of power
- Can be daisy chained up to get 10KWh of power



### Target Application Base

- > Cities and municipalities, law enforcement, government offices
- > Schools/campus
- > Transportation
- > Sporting venues/events, commercial building management companies
- > SIs, ISVs and MSPs serving government and schools

## V5 Solutions Portfolio

### Portable Power Unit (PPU)

- > Perpetual outdoor power for 3<sup>rd</sup> party hardware products
- > V5 Solar panels delivers perpetual power [5v, 12v, 24v, 48v] to components (from an average 4 hours of sunlight exposure)
- > 1,000+ Watts of power
- > IP67 ruggedized enclosure, less than 25 lbs



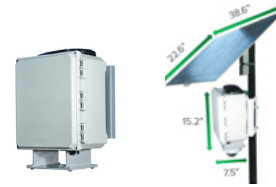
### Portable Edge Computing Unit (PECU)

- > Self-powered server for outdoor deployments of 3<sup>rd</sup> party software, hardware and sensors
- > Dell IoT gateways, Linux or Windows based computing system with multi-core processors
- > Modular design to integrate 3<sup>rd</sup> party software applications validated on Dell Gateways
- > Wireless communications via Wi-Fi, cellular and long-range RF



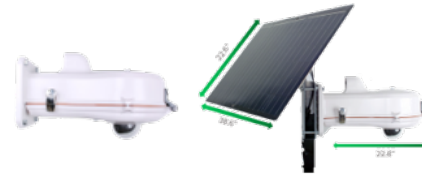
### Portable Camera Adaptive Platform (CAP)

- > Self-powered video cameras and wireless communications
- > Compatible with PoE, 5Volts, 12Volts, and 24Volts camera power requirements
- > Integrated axis communications cameras onto V5 CAP for deployment in outdoor environments
- > Connects via any standard and with any 3<sup>rd</sup> party hardware and video sensors



### Portable Security Units (PSU)

- > Self-powered, integrated video surveillance, acoustic detection/tracking
- > Proprietary power via V5 power management system & V5 solar panels
- > Video storage—Up to 1TB Intel based on board storage and/or back end server
- > Ruggedized enclosure with industrial grade components
- > Configure & install in under 30 minutes



## Ordering Information

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Please contact your local Arrow account manager or 855 3264757

### Online

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