



Vantage® VRacks

A flexible and expandable rack system

Benefits of Vantage VRacks



Easily integrated into your existing traffic signal controller cabinet configuration



Easy set up and configuration minimizes installation time and cost



Can be tailored to meet a variety of application configurations



Rack configurations available for any need

Vantage Edge®2 video detection products are designed to fit easily and seamlessly into standard detector racks, such as NEMA TS-1, NEMA TS-2 Type I and 2, and Caltrans I70/2070 input files. For video detection applications that require a separate detector rack system, Iteris offers the VRack system as a flexible and expandable shelf-mounted detector rack solution.

The VRack system can be tailored to meet a variety of application configurations. Whether you need a system for a single camera or for multiple camera configurations, the VRack system can be integrated easily into your existing traffic signal controller cabinet configuration. VRack provides an elegant and cost-effective video detection solution for intersection control, ramp metering, or highway monitoring applications.

VRack is offered in various configurations to accommodate any application including a single slot rack to versions that support TS-1 and TS-2 applications. The VRack system can also be configured to include additional input and output modules or the Vantage EdgeConnect communication module. Whatever your video detection requirements, VRack can be optimized and tailored to suit your specific application needs. Just tell us what you need!

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More Benefits

- Flexible and expandable system allows for optimal configuration that helps to reduce cost while preserving room for incremental growth
- Separate module and power supply racks enable maximum use of available space in crowded or tight cabinet enclosures
- Field-proven reliability and durability reduces maintenance and service overhead

SPECIFICATIONS

| | |
|--------------|---|
| Power | PS2420 power supply module 110-240VAC auto sensing (81.7W@ 0.71A, 115VAC) +24VDC output @1.6Amps with DC hold @50ms (38.4W) |
|--------------|---|

DC Input for VRack I, TSI and TS2

3-pin input block connector on rear

DC Output for VRack I and PS

3-pin output block connector on rear

AC Output for VRack TSI and TS2

3-pin output block to support daisy-chaining of
VRack system

Detector Channel Output (Excludes VRack PS)

Multiple DB9 connector for contact closure output
channels

Detector Channel Input

Multiple inputs available on rear with logic ground

VRack Communication (Excludes VRack PS)

RJ45 receptacle to support communication between
VRack systems

Environmental

Op. Temperature -35°F to +165°F (-37°C to +74°C)

Humidity 0% to 95% non-condensing

Vibration 0.5G, 3 axes, 5-30Hz vibration tested

Shock 10G in all 3 axes for shock testing

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|-------------------|---|
| Mechanical | NOTE: Foot brackets, if fitted, increase height of detector rack by 0.6" (1.6cm) |
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|----------------|---|
| VRack I | 5"High x 2.8"Wide x 8.27"Deep (12.7cm x 7.2cm x 21cm) 1.34lbs (0.61Kg) |
|----------------|---|

| | |
|-------------------|--|
| Vantage PS | 5"High x 2.8"Wide x 8.27"Deep (12.7cm x 7.2cm x 21cm) 2.20lbs (0.99Kg) - with power supply module 1.34lbs (0.61Kg) - without power supply module |
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| VRack TSI | 5"High x 12.87"Wide x 8.27"Deep (12.7cm x 32.7cm x 21cm) 3.97lbs (1.80Kg) - with power supply module 3.13lbs (1.42Kg) - without power supply module |
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| VRack TS2 | 5"High x 12.87"Wide x 8.27"Deep (12.7cm x 32.7cm x 21cm) 3.97lbs (1.80Kg) - with power supply module 3.13lbs (1.42Kg) - without power supply module |
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| Warranty | 3 years limited warranty |
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