



# VANTAGE® VRACKS

*A flexible and expandable rack system*

## 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 Type1 and 2, and Caltrans 170/2070 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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## 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
- Easy set up and configuration minimizes installation time and cost
- Field-proven reliability and durability reduces maintenance and service overhead



ISO 9001:2008

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[www.iteris.com](http://www.iteris.com)

## SPECIFICATIONS

Power	PS2420 power supply module
	<ul style="list-style-type: none"> <li>• 110-240VAC auto sensing (81.7W@ 0.71A, 115VAC)</li> <li>• +24VDC output @1.6Amps with DC hold @50ms (38.4W)</li> </ul>
	DC Input for VRack One, TS1 and TS2
	<ul style="list-style-type: none"> <li>• 3-pin input block connector on rear</li> </ul>
	DC Output for VRack 1 and PS
	<ul style="list-style-type: none"> <li>• 3-pin output block connector on rear</li> </ul>
	AC Output for VRack TS1 and TS2
	<ul style="list-style-type: none"> <li>• 3-pin output block to support daisy-chaining of VRack system</li> </ul>
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	-35oF to +165oF (-37oC to +74oC)
	0% to 95% humidity non-condensing
	0.5G, 3 axes, 5-30Hz vibration tested
	10G in all 3 axes for shock testing
Mechanical	
	NOTE: Foot brackets, if fitted, increase height of detector rack by 0.6" (1.6cm)
	VRack1
	<ul style="list-style-type: none"> <li>• 5"High x 2.8"Wide x 8.27"Deep (12.7cm x 7.2cm x 21cm)</li> <li>• 1.34lbs (0.61Kg)</li> </ul>
	Vantage PS
	<ul style="list-style-type: none"> <li>• 5"High x 2.8"Wide x 8.27"Deep (12.7cm x 7.2cm x 21cm)</li> <li>• 2.20lbs (0.99Kg) – with power supply module</li> <li>• 1.34lbs (0.61Kg) – without power supply module</li> </ul>
	VRackTS1
	<ul style="list-style-type: none"> <li>• 5"High x 12.87"Wide x 8.27"Deep (12.7cm x 32.7cm x 21cm)</li> <li>• 3.97lbs (1.80Kg) – with power supply module</li> <li>• 3.13lbs (1.42Kg) – without power supply module</li> </ul>
	VRackTS2
	<ul style="list-style-type: none"> <li>• 5"High x 12.87"Wide x 8.27"Deep (12.7cm x 32.7cm x 21cm)</li> <li>• 3.97lbs (1.80Kg) – with power supply module</li> <li>• 3.13lbs (1.42Kg) – without power supply module</li> </ul>
Warranty	3 years limited warranty

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