

Vindicator® V⁵ Intrusion Detection System (IDS)



Enterprise Intrusion Solution for Demanding Applications

System-level Security Server

The V⁵ IDS solution consists of the V⁵ IDS server, required downstream I/O, Vindicator® Command and Control (VCC) operator interface, and local I/O modules to suit any size application. Built on the V⁵ Network Security Appliance™, the Vindicator IDS solution is the central control unit for enterprise-wide security needs. The V⁵ IDS server receives input directly via on-board I/O, from sensors connected to Vindicator field transponders, from V⁵ ACS servers, and from third-party systems. It also directly controls advanced assessment solutions such as CCTV and thermal-imaging systems, ground and water-based radar systems. The V⁵ IDS server processes events and sends relevant information to one or more VCC consoles for operator interaction, response and dispatch.

Industry Leading Scalability, Reliability and System-Security

The embedded server of the V⁵ IDS is not susceptible to viruses or worms that plague PC-based security solutions. With its built-in support for redundant operation and its ability to communicate with other Vindicator devices over an encrypted network, the V⁵ IDS server is second to none in enterprise security. The V⁵ IDS server can monitor a few dozen or tens of thousands of alarm points and device inputs. Chosen by many government agencies, military installations, banks, correctional facilities, ports, and utilities, the V⁵ IDS server is capable of protecting the vital assets of any organization.

FEATURES

Data Processing - The embedded IDS server software supervises system equipment status and distributes system status changes to operator interfaces and peripheral equipment. It also accepts commands from operators and evaluates the significance of system events against defined "normal" conditions. The IDS server connects to Vindicator field devices over many media types including: RS485, fiber, Ethernet, serial, etc.

Various Alarm Types - The V⁵ IDS server supports multiple alarm types, including standard, delayed, combined, auto-secure, two-man access and group access alarms. Each type serves a specific purpose in the site security plan and ensures that the security

scheme matches the operational reality for the facility. The V⁵ IDS separates alarm points into categories of importance as their status changes. An alarm's priority affects the way it is displayed, the type of alarm employed when the point goes off normal, and its position on the Action List screen.

Enterprise Capabilities - When coupled with the powerful V⁵ ACS server, the enterprise potential of the system is enhanced. The watchman's tour function can be used to ensure proper, safe and regular rounds by staff personnel, ensuring credentials are presented to a set of readers in a particular order within a specified amount of time. The global anti-passback feature controls user access

based on individual authorization. Event and system information from one or more V⁵ IDS servers can be routed to a single or multiple VCC consoles to create regionalized solutions and can be integrated with Computer Aided Dispatch (CAD) platforms, resource management platforms or emergency response systems.

Powerful Administration and Maintenance Interface - A single V⁵ IDS server can be used as a remote configuration interface for other V⁵ servers in the network and to interface with downstream Vindicator transponders. The V⁵ IDS server speeds installation and enhances troubleshooting by providing a powerful maintenance console for performing device and network diagnostics.

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SPECIFICATIONS

Intrusion Detection Capacity (per server)

- Sensor inputs: more than 20,000 multi-state inputs
- System has passed the "5-in-2" test (capable of reporting five alarm events in less than two seconds)

Communication Ports

- Serial: 8 RS485, 4 RS232
- LAN: 4, 100BaseT with TCP/IP
- Fiber optic: 1-4 optional 100FX optical (SM or MM)

Mechanical Specifications

- Dimensions: 11.1"L x 10.5"W x 2.9"H
- Weight: 5 lbs
- Mounted on sheet metal base plate, NEMA enclosed product optional
- EMI/RFI gasket
- Field wire connectors: Removable plug type screw jaw clamp terminal for 18 to 24 AWG solid or stranded wire

Interfaces/Drivers

- Vindicator VCC Platform
- Logging/reporting printer
- Vindicator Security Network
- CCTV control
- Plasma display control
- SIA CIS Central Station

Environmental Requirements

- Operating temperature: 0°C to +50°C
- Storage temperature: -25°C to +65°C
- Humidity: 8%-90% non-condensing
- Vibration operating: 8G peak swept-sine with solid-state storage, 1G peak swept-sine with HDD option
- Shock operation: 175G for 2 ms half-sine

Electrical Characteristics

- Operating voltage: 9 to 18 VAC
- Power: configuration dependent
- Transient and surge protection: 36 W max
- Ports 1.2 j 80 us 2400 V 12 A peak
- Input sensitivity: 0.0 to 5.0 V with 10 bit resolution and 1% accuracy
- Inputs configured for resistive load measurement source of up to 10 mA at 5 VDC into 1K ohms
- Sensor self testing: Automatic, programmed, random, or regular at average intervals (2 minutes to 22 days). Failed tests announced.

Compatibility/Integration

- CCTV: Many cameras, switchers, video motion detection or DVR systems
- Advanced technologies: Ground-based radar
- Sensors: Many interior or exterior sensor systems

Enterprise Connectivity

- Open style architecture (LAN/WAN, Ethernet, SM and MM fiber, RS232, RS485, FSK, TCP/IP)

Software Configuration

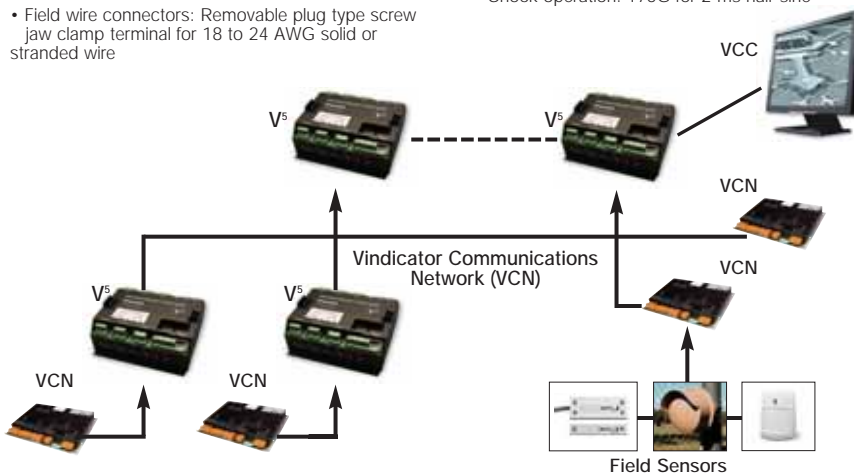
- Via Ethernet or RS485

Encryption

- UHS, DES, TDEA (DCID and NIST approved)

Certifications and Approvals

- Certified for nuclear facilities without waiver (USAF pending)
- FIPS 46-3, DCID 6/9, SIA
- UL-1076/294/864, FCC Part 15, Subpart J, Class A



ORDERING

Bundled System

- 600-33000-01** Intrusion detection system, V⁵, UHS encryption, 1 sensor input module, 1 relay output module, 1 system server terminal package, manuals, power supply
- 600-33000-02** Intrusion detection system, TDEA encryption version of above
- 600-33500-01** VCC packaged system, VCC Platform, Vindicator Server, V⁵, UHS encryption, manual and serial communication cable

Basic a la carte

- 548-33300-10** V⁵ (requires one of the OS options below), RS485 port, 4 TCP/IP ports
- 508-33301-01** Intrusion Detection OS, UHS encryption
- 508-33301-02** Intrusion Detection OS, TDEA encryption

Plug-in Module Options

- 536-33002-01** Sensor Input Module, 8 ports
- 536-33003-01** Relay Output Module, 4 ports

Fiber & Memory Options for V⁵

- Call for details
- 532-33302-01** Memory Expansion Options
- 532-33302-02** Fiber Optic Multi-Mode Port
- Fiber Optic Single-Mode Port

Spares

- 292-33464-00** 12 VDC Wall Plug Power Supply
- 908-33461-00** Installation, Operation and Maintenance Manual
- 536-33001-01** V⁵ Main CPU Board, CPU-5 PCB Assembly with 4 RJ-45 Ports
- 536-33005-01** Communication I/O Module
- 544-33472-01** Serial Communication H/A, serial communications cable from V⁵ to display device
- 532-33279-00** System Server Terminal, with keyboard and mouse, no monitor, serial cable, PC SmartPAC
- 532-33279-01** System Server Terminal, with keyboard and mouse, 15" CRT monitor, serial cable, PC SmartPAC
- 532-33279-02** System Server Terminal, with keyboard and mouse, 17" CRT, serial cable, PC SmartPAC
- 532-33279-03** System Server Terminal, with keyboard and mouse, 15" LCD, serial cable, PC SmartPAC

For more information: www.honeywellvindicator.com

Honeywell Security

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