

VitalView System 5 Central Station

Criticare's newest central station technology is versatile, reliable, and compact. Designed to operate in all environments, using state of the art technology. Features the capability to generate and send e-mail reports in PDF format.

Models:

507VVHTS5: Hardwire and RF

507VVHS5: Hardwire

507VVT55: RF

Features:

- Displays Arrhythmia and ST analysis provided by Poet Plus and nGenuity patient monitors with Arrhythmia and ST analysis option.
- Dual screen for display of more patient information.
- Full Disclosure feature stores up to 144 hours of ECG data.
- Easily accessible alarm history log for all patient alarms occurring in the previous 24 hours.
- Displays ECG, SpO₂, IBP, and CO₂ waveforms.
- Patented bi-directional, wireless communication permits remote activation of NIBP and remote printing.
- Advanced technology (2.4 GHz, FHSS 802.11-compliant, digital spread spectrum technology) not subject to interference from DTV, cell phones, or other devices – unlike conventional telemetry systems.
- Custom hardwire or telemetry configurations meet each facility's unique requirements. Proprietary design conserves space, reduces installation cost, and simplifies installation.



The VitalView® System 5 central station is the ideal solution for hospitals of all sizes. It communicates with Poet® Plus 8100, nGenuity™ 8100E, Scholar® II and III 507EL/ELC/ELC2, and VitalCare™ 506N3 Series patient monitors for continuous, comprehensive vital signs monitoring.

The VitalView central station displays real-time waveform and numeric with a simultaneous display of up to 48 waveforms across two screens. Up to three expanded patient views can be viewed while all 16 patient slots continue displaying patient data. ECG events and graphical and tabular trends are stored automatically. User adjustable alarms provide immediate notification of critical changes in patient status.

Includes Microsoft® Windows® XP-compatible ethernet port for connection to an external LAN and internet.

CSI has verified that Microsoft® Office XP Pro 2003, OpenOffice 2.0, and Adobe® Reader® 7.0 will not compromise real-time monitoring performance.

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Technical Specifications

Display

Primary Display
Screen: 19"
Resolution: 1280 x 1024
Type: TFT LCD

Secondary Display
Screen: 19"
Resolution: 1280 x 1024
Type: TFT LCD
Touchscreen: 5 wire resistive

Main CPU

Processor: Intel P4 2.0 GHz
Memory: 1024 MB
Hard drive: Seagate 80GB
Floppy drive: 3.5" FDD
DVD/ROM: LITE-ON CDD-SOSC2483K-BLK
Keyboard: PS/2
Mouse: PS/2

User Interface

Controls: Touchscreen, mouse, and/or keyboard
Waveforms Displayed: 48 independent traces, ECG, SpO₂, IBP, and CO₂
Patients Displayed: 8 or 16
Configurations: 1x8, 2x4, 1x16 or 2x8 patient slots
Remote operations: Start NIBP, Remote Record, Standby Status, Patient Demographics, Admit/Discharge
Printing Output: Strip Chart Recorder, Laser Printer (Optional)
Print Duration: Configurable
Speakers: Integrated into display

Alarms

Description: User-configurable for all monitored parameters
ECG: *ST/Arrhythmia monitors:* Asystole; High PVC/Min; PVC Run; Couplets; Bigeminy; Trigeminy; Irregular HR; VT>2; VTach; VFib; VFib/Asystole; ST High/Low (for each of leads I, II, III, aVR, aVL, aVF, V)
Non-ST/Arrhythmia monitors: ECG Lost, High/Low HR
Limit Alarms: High/Low HR, NIBP, SpO₂, IBP, CO₂, O₂, Respiration, Temperature
Lead Disconnect: Fault RA, LA, LL, and V

Trend/Event Storage

Storage Capacity: 72-Hr graphic and Tabular trends of all parameters; 100 events
Event Storage Duration: 36 sec/event

Full Disclosure

Storage Cap: Up to 16 patients x 144 hours
Display Modes: 1,2,3, or 7 ECG leads
Display Gain: x0.5, x1, x2, or x4
Trace Speeds: 25, 12.5 or 6.25 mm/s

Mechanical

Dimensions: 16cm x 22cm x 41cm (6.3" x 8.7" x 16")
Gross Weight: 8.7 Kg (19.2 lbs.)
Printer Type: External 50 mm thermal array recorder

Communications and Data Ports

VVNET: Hardwire/Wireless LAN
Up to 16 bedside monitors

LAN-2: External Ethernet Port
Windows XP compatible

Video1: Auxiliary Display SVGA
Video2: Primary Display SVGA
USB1: Touch Screen Control
USB2: Laser Printer (Optional)
Windows XP Compatible

COM1: RS232, Chart Recorder

RF

Transceiver: 2.4 GHz; ISM Band; via access points
Modulation: Frequency Hopping Spread Spectrum (FHSS)

Data Throughput: Up to 2 Mb/sec

Electrical

Power Supply: AC 230W, 90 to 264 VAC, 47 to 63 Hz

Environmental

Operating Temperature: 5° to 35° C; 41° to 95° F
Storage Temperature: 0° to 70° C; 32° to 158° F
Storage Humidity: 5 to 95% Non-condensing



Specifications subject to change without notice.



Corporate Headquarters:

20925 Crossroads Circle
Waukesha, WI 53186 USA

Customer Service

Tel: 800.458.4615 or 262.798.8282

Fax: 262.798.8290

www.csiusa.com