Spectrum Medical

Take a look at your world our way!

Easy, Intuitive and Configurable **Data Management Systems** Designed for, and by, the **Perfusion** and **ECMO** Communities.

VIPER

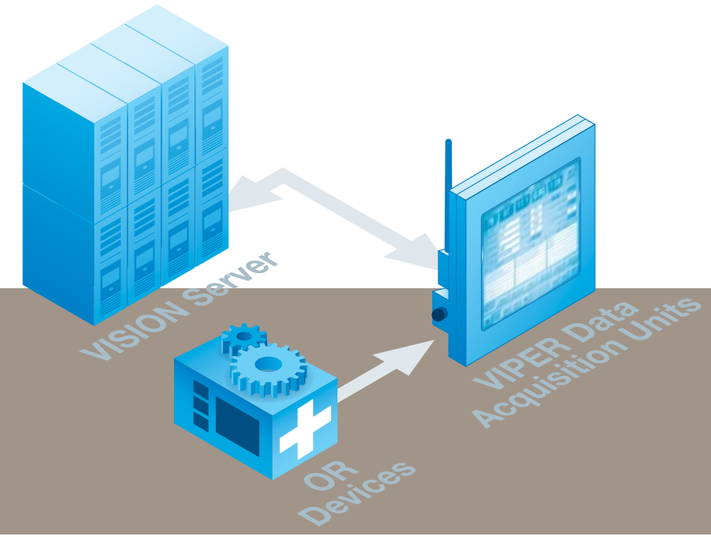
INDEPENDENT DATA MANAGEMENT

Perfusion and ECMO Data Management Systems

VIPER's four icon architecture ensures that clinical training is accelerated with minimal disruption to the ongoing task of delivering care.

Next Generation **EMR Solutions** for the **Clinical Specialty!**

The Viper data acquisition monitor and VIPER software is your entry into the world of electronic data collection. It is a highly intuitive interface, designed by the clinical community for the fast and accurate recording of important clinical data. With a one case learning curve and fast system wide navigation, the VIPER system facilitates the confidence and knowledge that you are providing safe and more efficient care for your patients.



Important Features of the VIPER System

Communication and Data Capture:

- Supports HL7 interfacing with Hospital Management Systems including ADT systems and the patient EHR.
- Automatically captures information from various OR devices including patient monitors, blood gas machines, and all heart lung machines.
- Real-time capture, encryption, and distribution of live case data to the central VISION server and the optional LIVE VUE module.
- OR connectivity includes WiFi, USB, RS 232, Blue Tooth, and conventional wired networks.

Work flow and Enhanced Decision Support

- Uniquely configurable and expandable to meet both the current charting specifications and the ever changing work flow and data collection requirements.
- Enhanced decision support with optional calculation of drug dosing and priming circuit optimization.
- One touch and customizable event buttons that time stamp and record critical events.
- A fully customizable record that can be reviewed intra-operatively at any time.

Compliance & Patient Outcomes

- Uniquely configurable user profiles that facilitate the management of intra-operative compliance targets.
- Real-time intra-operative compliance alerts.
- User specified end-of-case reports for immediate post-procedure analysis.
- Time Based Reporting facilitated by a standard naming function that provides data consistency when collecting parameters from multiple devices and multiple device vendors.

System Support and Data Protection

- System support at the click of the "Get Help" button.
- VIPER units and network integrity remotely monitored 24 hours a day.
- Simultaneous three phased approach to provide system wide redundancy and ensure intra-operative data is never lost:
  - VIPER writes case data to two internal 4GB solid state hard drives.
  - Case data is uploaded, every second, to the central VISION server.
  - And finally, to cover for any potential network failures, case data is also uploaded to an SD card inserted in the VIPER monitor.

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