

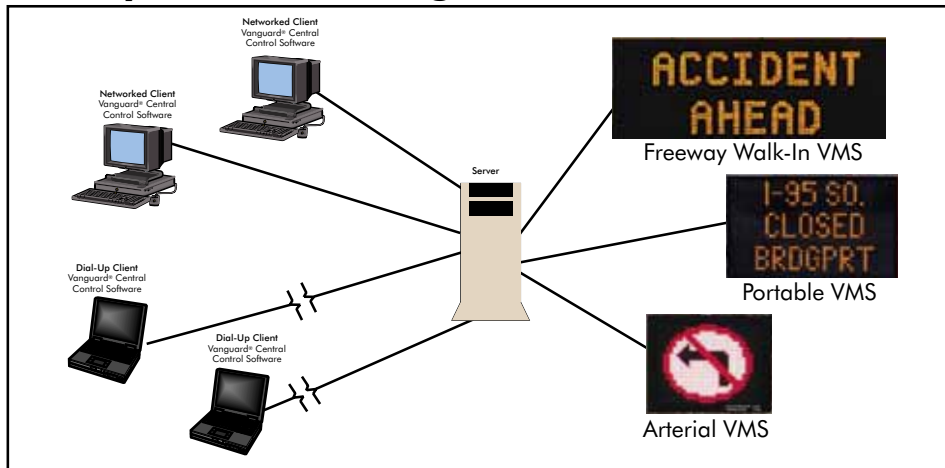
Control Software

Vanguard® – NTCIP-Compliant Control Software

Daktronics has provided central control software since its first Variable Message Sign (VMS) installation in 1988. Vanguard® software is specifically designed to control VMS used for traffic management applications. It is powerful and easy to use.

Vanguard VMS software is compliant with the National Transportation Communications for ITS Protocol (NTCIP) and communicates with signs using virtually any communication infrastructure.

Client-Server System Riser Diagram



Features:

New Client/Server Architecture

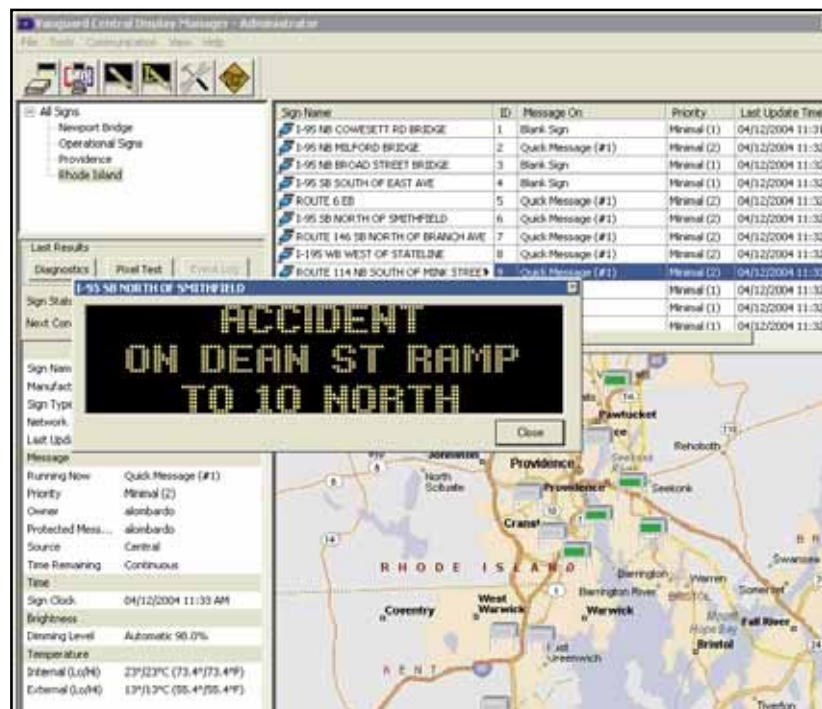
- Communicate with signs using virtually any communication infrastructure
- Connect multiple Vanguard workstations on your network
- Workstations operate in standalone mode for backup or portable use
- Graphical map interface with zoom
- Flexible security system limits access to features
- Automatically polls signs to monitor status

Powerful Messaging with Text and Graphics

- "What you see is what you get" message editor and preview
- Create messages using text and/or graphics
- Supports both amber and full-color technologies
- Select from dozens of fonts or create your own
- Searchable message library has nearly unlimited storage capacity
- Create message schedules that automatically run messages at predefined times

Scenarios

- Create macro-like scenarios to automate events
- Scenarios can activate messages or perform diagnostics
- Run scenarios immediately or schedule by date and time



Diagnostics and Maintenance

- Real-time message verification
- Monitor and log status of VMS pixels, power supplies, and other subsystems
- Log and print all system and sign events
- Signs automatically report critical events (power loss, subsystem failures, etc.)

Minimum Workstation Requirements:

- Microsoft Windows® 2000 or XP Professional
- Pentium® III or higher microprocessor
- 128MB RAM (256-512MB for servers)
- 100MB free disk space
- Mouse or other pointing device
- CD-ROM drive