

# Vanguard®

## VMS Control Software

## Display Control

### Client/Server Architecture

- Control signs from local and/or remote clients via LAN/WAN
- Sign communication centralized at server
- Clients operate simultaneously
- Also works in standalone (laptop) mode
- Easy-to-use system configuration tools

### Sign Communication

- Fully NTCIP-compliant
- Send, run and preview messages
- Automatic status polling at configurable intervals
- Control display dimming (manual or automatic)
- Automatically update or set the signs' date and time clocks
- Unlimited number of signs may be controlled
- Controls any combination of VMS sizes and types
- Control any brand of NTCIP-compatible VMS
- Customizable NTCIP MIBs
- Supports all typical communication networks (dial-up modem, fiber, Ethernet, cellular, etc.)
- Parallel communications to control multiple signs at once

## Messaging

### Text and Graphic Messages

- What-You-See-Is-What-You-Get message editing
- Create, edit and delete messages
- Mix any combination of text fonts
- Supports both monochrome and full-color technologies
- Create or insert graphics in messages
- Copy and paste text and graphics
- Align text over specific lanes of traffic
- Create message schedules that automatically activate messages at predefined times and dates
- Spell Check provides a double check of all message text
- Built-in text filter prevents select words from being used in messages
- Preview the message before sending it to the sign
- Insert date, time and other data fields in messages
- Automatically activate sign beacons
- Libraries help organize messages and schedules
- Easy text search in message libraries

### Scenarios

- Create macro-like scenarios to automate events
- Control one or more signs from a single scenario
- Scenarios activate messages and/or perform diagnostics
- Run scenarios immediately or schedule by date and time

### Quick Message

- Create and run ad hoc messages very quickly
- Easily select and run messages from custom libraries

### Fonts

- Select from dozens of pre-created fonts
- Easily change display fonts



- Create custom fonts using the included font editor

## Maintenance and Diagnostics

### Pixel Diagnostics

- Real-time message verification constantly monitors pixels
- Monitor the exact contents of the VMS display face
- Pixel test indicates graphically the exact location and type of failure

### Sub-System Diagnostics

- Detect power supply and other system failures
- Report status of temperature, light and door position sensors

### Event Logging

- Logs all system and sign error and status events
- Automatic log archival
- View, sort and print logs

### Sign Status Reports

- Signs automatically report critical events (power loss, failures, etc.)
- Pop-up notifications indicate serious errors
- Automatically e-mail in case of critical events

### Security

- User-level access restrictions with passwords
- Specify individual feature access for each user
- Easy-to-use security management tool

## Hardware Requirements

### Vanguard VMS software has the following minimum requirements:

#### Client Workstations

- Microsoft Windows® NT 4.0, Windows 2000, or Windows XP Professional
- Pentium® III 800 MHz or higher microprocessor
- 256MB RAM
- 100MB free hard disk space
- Network Interface Card (NIC) for client-to-server networking
- Keyboard, mouse, CDROM and monitor

#### Server

- Microsoft Windows® 2000, Windows XP Professional or Windows Server 2003
- Pentium® IV 2.0 GHz microprocessor
- 512MB RAM (1GB recommended for large systems)
- 200MB free hard disk space
- Modems, serial ports or other devices required for communicating with signs
- Network Interface Card (NIC) for client-to-server networking
- Keyboard, mouse, CDROM and monitor