DAYSTAR ELITE
Red/Amber (Shaded)

Feature		Benefit
Display Matrix	Number of rows and columns of pixels creating the LED display. The Daystar Elite is available in a variety of display matrix sizes.	Larger matrixes provide more flexibility for creating animations and text
MCDs per LED: Red: 4,500 Amber: 4,200	MCD = Milicandelas, or 1/1000 of a candlepower. A measurement of brightness, a higher MCD rating results in a brighter display.	Brighter LEDs create brighter pixels, resulting in greater visibility in full sunlight.
Number of LEDs per Pixel: 1	Every LED in the display is individually controlled by the Daystar Software.	The brightness of the pixel is a major factor in determining the amount of visual impact generated by the LED display.
MCDs per Pixel: Red: 4,500 Amber: 4,200	The brightness of the pixel is the product of the number of LEDs per pixel and the brightness of each LED.	A higher MCD rating creates a brighter pixel providing more visual impact and improves readability.
Pixel On-Center-Dimension: 0.7"	The distance from the center of one pixel to the center of the next pixel, also known as pixel pitch.	A major factor in determining character size and resolution. A smaller on-center-dimension provides higher resolution.
Nit Rating: Red: 14,329 Amber: 13,864	The Nit rating is a measurement of the LED display's brightness per square meter. This measurement is the result of combining the brightness and the on-center-dimension of each pixel within the display. The nit rating allows an easy and direct comparison of brightness between two displays that may have different LED or pixel specifications.	Nit equals the number of candelas per square meter, providing a uniform method of comparing the brightness of two displays with different specifications. The higher the nit rating the brighter the display. The brightness of a display greatly affects the amount of visual impact the display will generate. (nit is derived from the Latin word "nitere" = "to shine")
Viewing Angle: 90 degrees	The angle at which the brightness is reduced causing the display to be unreadable	A 90 degree angle provides a full 180 degree viewing cone, increasing visibility and reading time, allowing for greater utility.
LEDs by Avago Technologies	The Daystar uses LEDs produced by the leading U.S. manufacturer	Made in the USA, Avago Technologies is the world's largest privately owned semiconductor company after acquiring Hewlett Packard's spin-off, Agilent Technologies.
Master - Master Relationship	Programming control relationship between both sides of a double sided display	Allows simultaneous, independent messages to be displayed on both sides. Increases effectiveness and provides greater message flexibility. Most displays have a master-slave relationship, restricting both sides of the display to use the same message.
On-board Scheduler	A program that resides on a processor inside the Daystar display that controls the scheduling of each message.	The Daystar scheduling software resides inside the sign allowing the user to create a message schedule that is transmitted to the sign and once transmitted the sign no longer requires a computer. Most LED signs require a dedicated PC 'controller' or scheduling software that perpetually runs on a shared PC and if the controller or shared PC has to be rebooted the sign message stops and the play file has to be re-transmitted to the display. Without On-board Scheduling, time delays, missed messages, down time and frustration are certain to occur.
American Made	Cabinets, LEDs, LED modules, Motherboards, all proprietary electronics are designed and manufactured in the USA.	Quality control provides assurance of reliability and future part availability. Proudly Made in America.
NEMA 4X LED Cabinet	The National Electrical Manufacturers Association provides ratings that describes the amount of environmental conditions an enclosure is designed to protect against.	One of the highest ratings for outdoor use. Even hose-directed water will not cause cabinet to leak. Cabinet is also non-corrosive
Surge Protection	An electronic device that protects the telephone modem from electrical surges	In the event of electrical surges the surge protection device is sacrificed to protect the modem. The surge protector is minor in cost in comparison to the modem and is easily replaced
	An electronic device that protects the LED modules from electrical surges	In the event of electrical surges the surge protection device is sacrificed to protect all of the LED modules. The surge protector is minor in cost in comparison to replacing all of the LED modules
Modular Construction	LEDs are built as modules	Provides quicker and easier maintenance; many times eliminating the need of a technician. Reduces time and cost of service.
Customer Support	Software training provided	On line training is available at the customer's convenience. If additional personnel need to learn the software at a later date access to training is always available.
	Telephone support provided at no additional cost	Reduces cost of ownership by eliminating on site service calls or the need for a maintenance contract
	Free graphics available for downloading off the Internet	Reduces the cost of developing animations or eliminates the need of having an individual with a high level of skill and training to create your own

Feature	Description	Benefit
Warranty	LED display is warranted for five years, parts only. The entire sign has a lifetime warranty against workmanship and defects.	Customer removes and reinstalls part, JMS repairs or replaces part at no charge for 5 yrs. ID faces warranted for life against breakage due to vandalism. Refer to the JMS printed warranty for complete details.
Environmentally controlled LED cabinet	Thermostatically controlled Heaters	Provides heat to the display in the event of extreme low temperatures
	Thermostatically Controlled Cooling Fans	Provides cooling to the display in the event of high temperatures.
Automatic Shut Off	Automatically powers down the display	If the temperature exceeds limitations the system will automatically shut itself off providing protection against major failure and repair costs
US Robotics V.Everything Telephone Modem	A common method of communicating with the display via a telephone modem	An industrial high-end modem used when data transfer is critical. Has a robust capacity to work under a variety of voltage changes typically found in local phone systems. Eliminates lost connections and, sluggish data transfers
Communication Methods	Stewart Signs offers a variety of communication methods	Regardless of the situation Stewart signs is sure to have a communication solution
Accessing Internal Components	Front Access to LED Modules by a hinged cover held open by pneumatic air lifts. LED modules are attached to aluminum rails allowing easy access to internal components.	Allows quick access to all of the components without removing a single component. Provides "hands-free" support for easy service, reducing labor. Many displays require removal of components in order to access all components, increasing labor, expenses and frustration.
Troubleshooting	Internal PC Laptop connection	Laptop pc can be connected directly to the display for easier, faster service.
Air Gap Technology	Critical electronic devices are installed on standoffs creating an air gap between the device and the cabinet walls	Electronic devices mounted directly to the wall of the cabinet can form condensation caused by the temperature difference between the outside of the cabinet and the electronic device. In the Daystar, critical electronic components are mounted to "Stand-offs" that are welded internally to the wall of the cabinet. This creates an insulating air-gap between the electronics and the outside of the display cabinet extending the life of the display.
Upgradeable Software	Software with the built in capability of being upgraded	Many LED software packages are designed only for that display with no intent of increasing the capabilities of the software or the display. JMS software is constantly being improved and upgraded. New versions are made available as created.
Power Backup	Short-term power outages will not affect the memory storage of the display.	Eliminates reprogramming the display in the event of power outages
Labeled Internal Display Components	Labels are laminated to the inside of the LED cabinet for ease of use	Allows easy service and reduces time and cost of service.
Integrated Temperature Probe	Allows display of outside temperature as a community service	Temperature Probe is integrated into the cabinet. Eliminates finding a suitable location and also eliminate cabling and connections
Water Proof Power and Data Connectors	All external electrical and data connection using waterproof quick disconnects	Protects connections against corrosion and allows quicker service saving time and money.

Controlling Software:

Daystar ComPlay – Features

- Password Protection
- Allows both scrolling and static text within a single frame
- Supports drag and drop from Windows Explorer for easy message creation
- Allows you to save current messages, including text, graphics and list of organized messages in
- Allows the replacement of individual graphics in the LED Display without having to download the
- View and manage files stored within the display's on-board memory
- Provides download of a single Play file to multiple displays with one transmit
- Contains extensive internal "User Help" file
- Supports Windows true-type fonts and most standard Windows media files (bmp, avi, mov, jpg, et
- Create interesting messages with graphic images, using pre-made & easy to use templates via M
- Choose from over 500 possible appear and disappear message transitions
- Quickly create text messages and traveling text
- Playfile preview allows viewing message before sending them to the display
- On board scheduler allows scheduling messages up to ten years in advance
- Bad word filter and spell checker included
- Easy to include time and temperature within your messages
- Manual or automatic control over display brightness
- View and manage files stored within the display's on-board memory