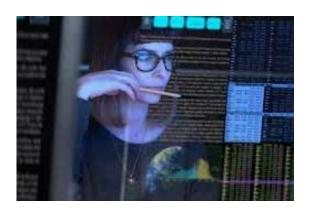


CYBER SCIENCES"

Why Sequence of Events Recording?

- For meaningful data analysis, devices must share a common (precise) time reference
- More data points captured during an electrical event provides a clearer picture of what happened allowing for better decisions
- Millisecond time stamped data allows easier verification of automatic transfer schemes and other control systems

Know what happened and when—to 1 msec!



Understand—Forensics tool

- Perform root-cause analysis based on reliable data.
- View current and voltage waveforms captured with each event.
- Determine if the initial source was internal or external.



Respond—Act quickly

- Evaluate control sequences, timing, and operator actions.
- Confirm protective device timecurrent coordination.
- Restore service quickly if an outage does occur.



Prevent—Take corrective actions

- Resolve or mitigate persistent problems.
- Provide documentation for the electric utility, legal, insurance, etc.
- Identify slow breakers before they can cause an arc flash hazard.

Sequence of Events Recording's needed where reliable power is important:



Data centers



Universities



Hospitals



Airports



Industrial facilities



Microgrids & alternative energy

Sequence of Events Recording

Cyber Sciences has provided sequence of events recording solutions for over 10 years!



STR-100/STR-100-IRIG-B



SER-3200/2408



EZC- IRIG-B/DCF-77



PLX-5V/24V



STR-IDM

INTRODUCING THE CYTIME EVENT MANAGER

The CyTime™ Event Manager



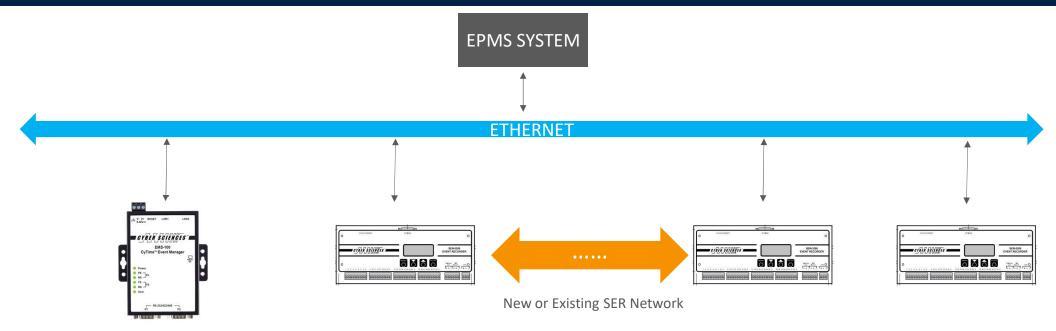
The CyTimeTM Event Manager provides the ability to view and monitor input/output (I/O) status from multiple Sequence of Event Recorders (SERs) in one easy to read web interface.

This intuitive, simple to use tool lets users take better advantage of precision time recordings of status changes in electrical equipment. Where critical power applications are concerned, the Event Manager helps easily identify I/O status and speed up troubleshooting efforts when an event has occurred.

The Event Manager is valuable in identifying power loss events quicker, saving time and money for power restoration in critical power applications.

CyTimeTM Event Manager

Providing System capability for Sequence of Events Recording



CyTime Event Manager

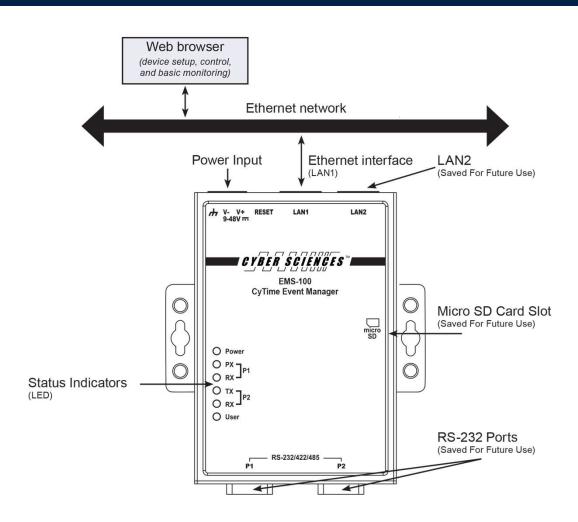
- Connects to all downstream SERs
- Presents unified view of SER system data
- Quickly view SER Network System Health
- View all input status changes from all SERs in sequence for a single event

CyTime[™] Event Manager: Features & Benefits



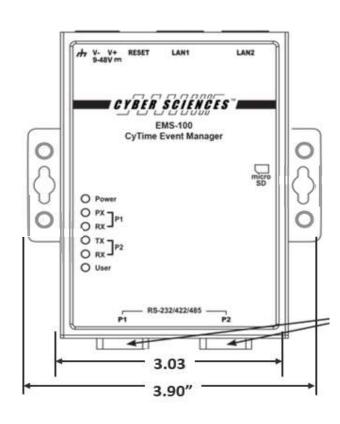
- Monitor numerous SERs from one browser: View SERs on a system level with an easy to view and understand User Interface
- Quick analysis of SERs: Quick overview of SER status with easy to identify colored status indicators
- Event Log Screen: View at once, the event log from all connected devices on the network. The event log contains items: Date / Time, Device Name, IP Address, Channel, Event Type, Status, Time Quality, Sequence of Events, Delta Time
- I/O Status Screen: Instantly view all I/O status ON/OFF indicators down to each circuit per each SER located on the system
- **Diagnostic Screen:** Quickly ascertain diagnostics on each individual system device. The Diagnostic screen shows: Device Name, IP, Catalog Number (SKU), HW, FW, Time Source Setup, Time Source Actual, Time Quality, PTP State, PTP Key
- **DIN Rail Mounted:** Easy to install DIN rail mounted device, with simple connection to the system network via ethernet cable
- Easy installation and setup: Setup is simple and straightforward. With access from a standard web browser and simple to use set up tools, you'll be up and running quickly

CyTimeTM Event Manager Connections

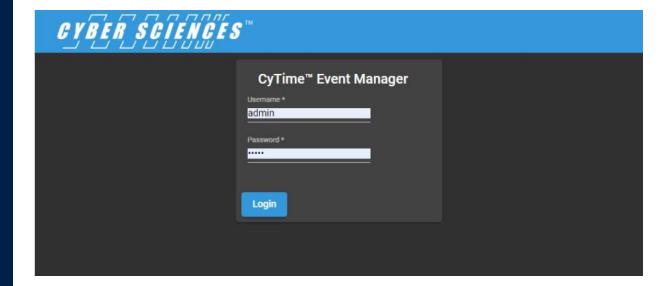


CyTimeTM Event Manager Dimensions



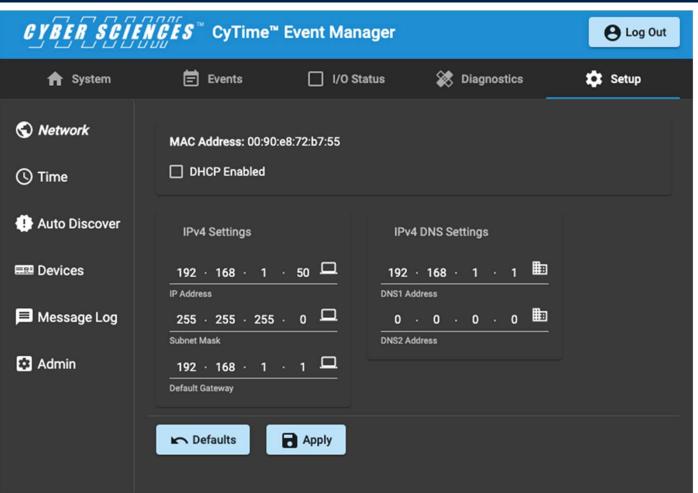


Setup and monitor using a standard web browser



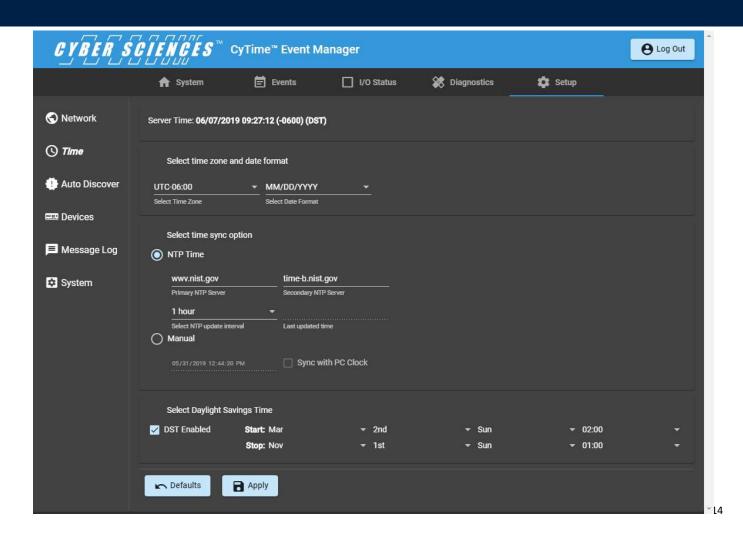
Setup: Network

Setup the Event Manager via the embedded web page

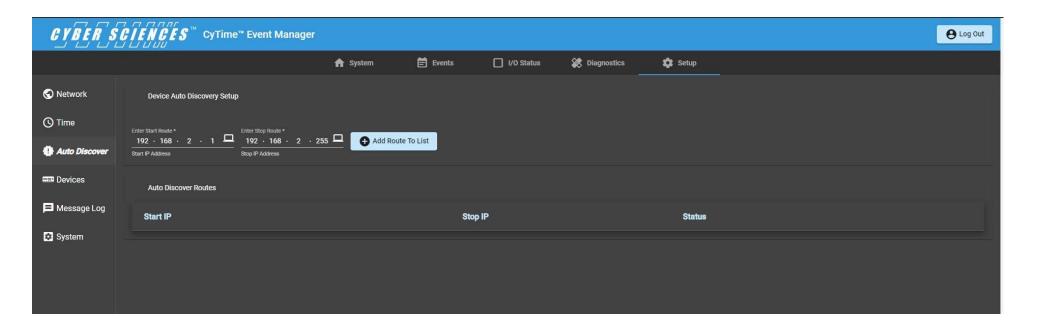


Setup: Time

Configure the time settings for the Event Manager including time zone, clock source and DST

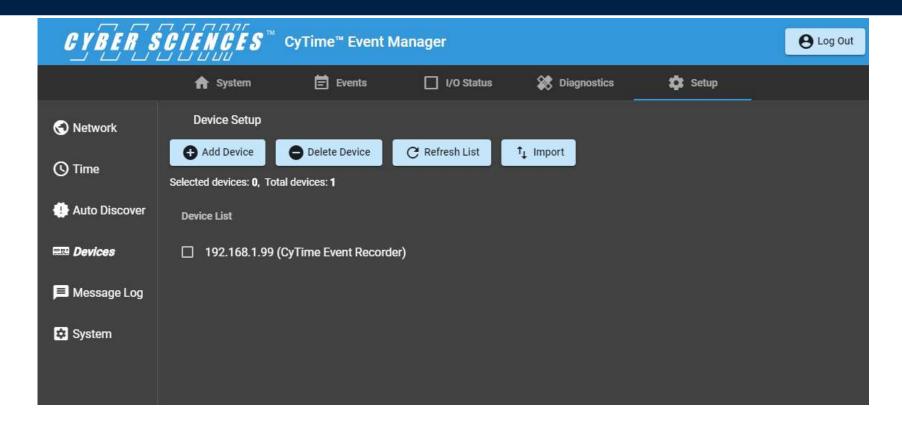


Setup: Auto Discover



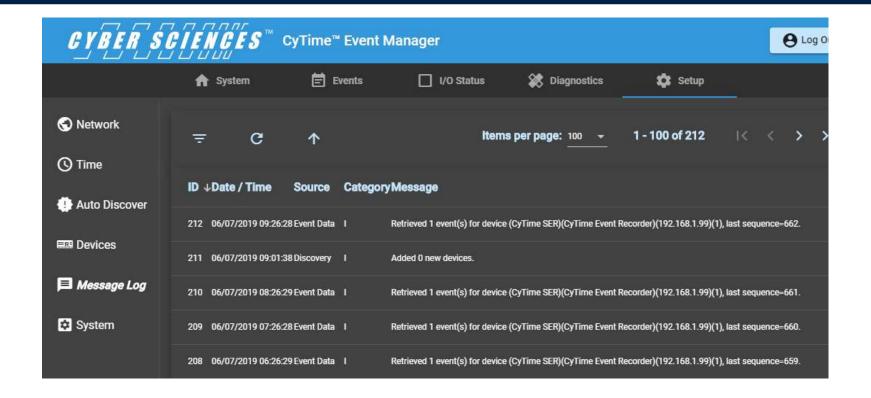
Add downstream SERs by auto discovering them via a range of IP addresses

Setup: Devices



Add downstream SERs by manually entering them or uploading a csv file

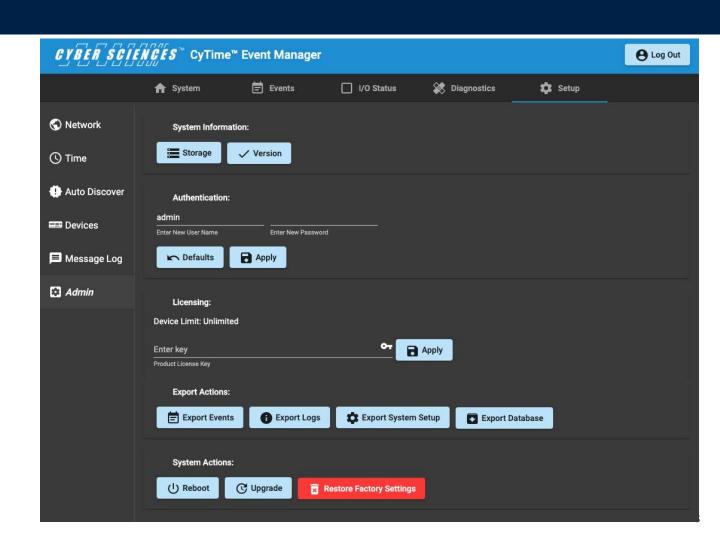
Setup: Message Log



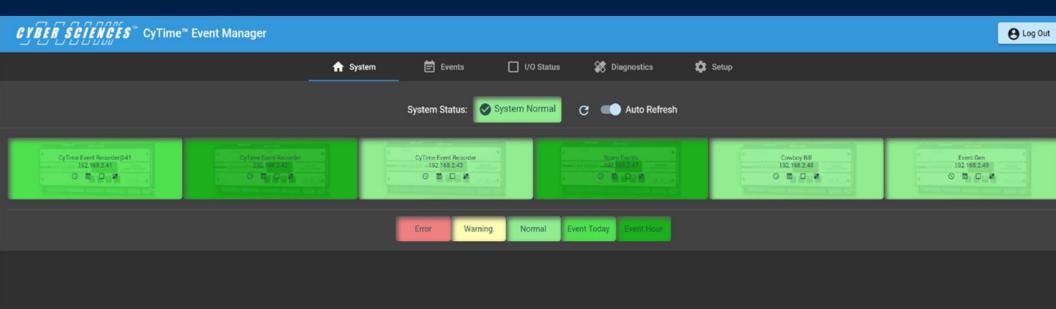
View or export the Event Manager's log of task performed.

Setup: Admin

Access Event Manager system information, change authentication, upgrade license or export information through the Admin Page

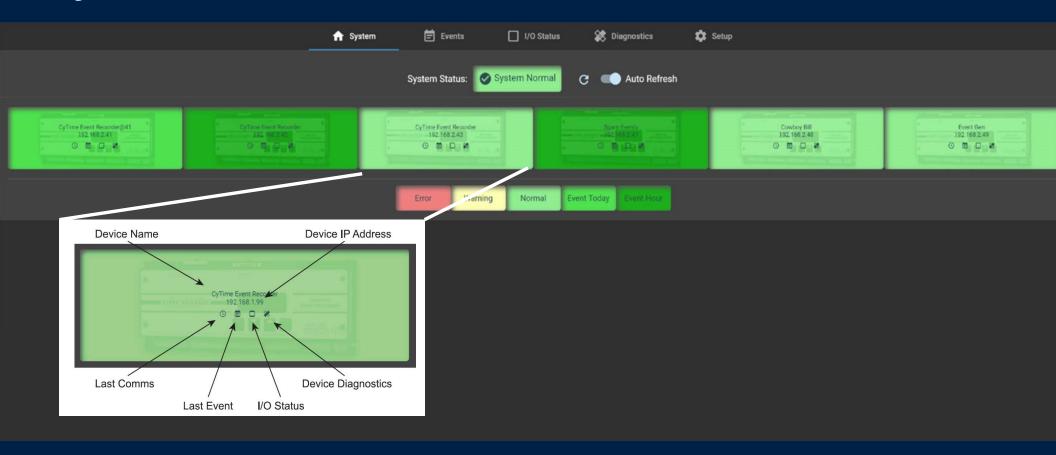


System Status



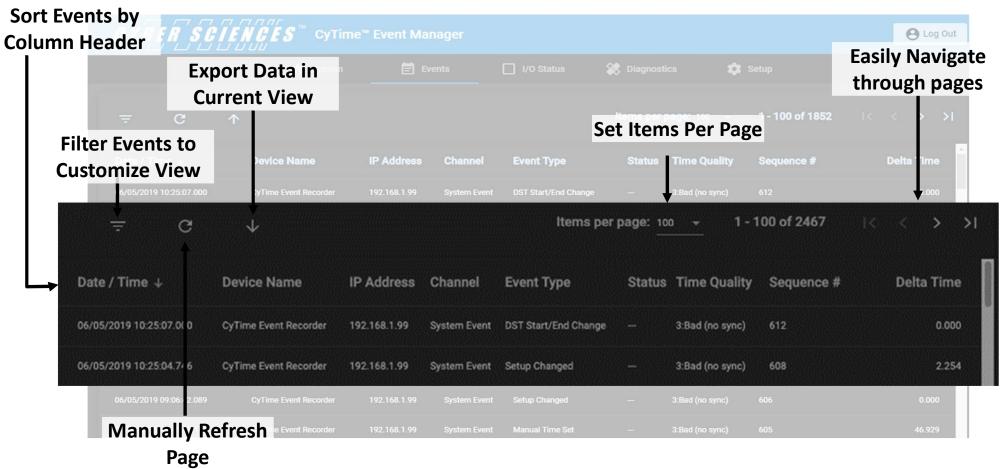
See all downstream SERs in a single view!

System Status



Get Summary Status Information for each SER

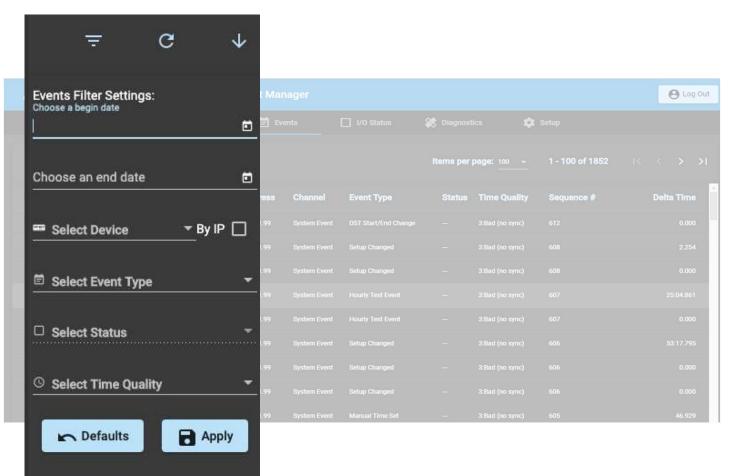
Events



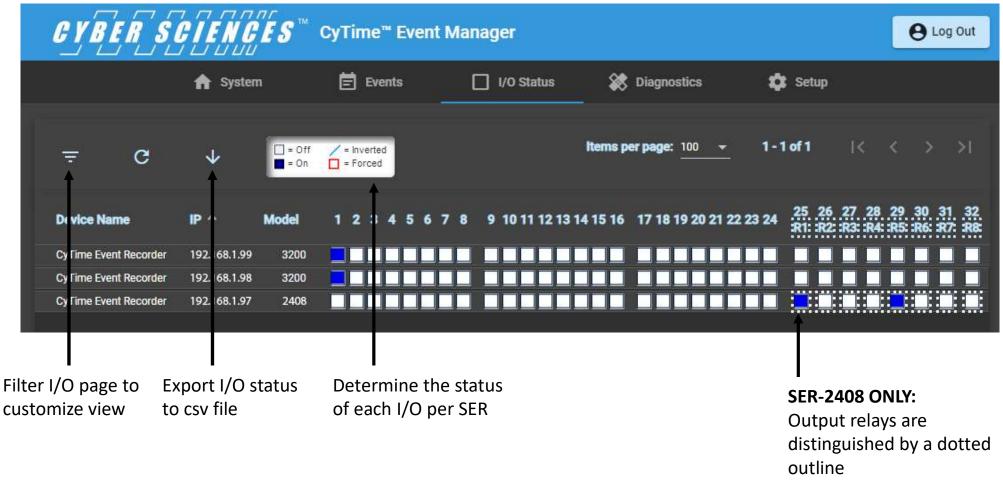
Events – Customizable View

Filter the Events Page by:

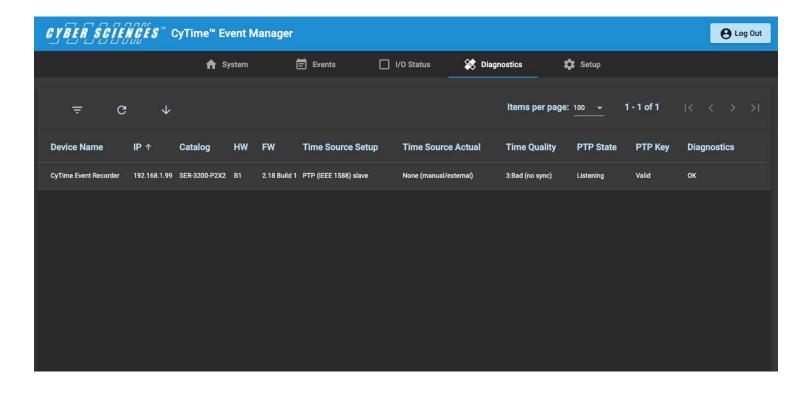
- Date Range
- Device
- Event Type
- Event Status
- Time Quality



I/O Status



Diagnostics



View the Diagnostics information from all downstream SERs or create a customized view using the filtering tool.

Precision Timing for Reliable Power. Simplified

