Features

Messaging
Three customizable message fields

World Clocks
Analog and/or digital clocks with or without date (NTP client & server support w/ encryption)

Operational Awareness
Customizable icons w/ multiple states (Disabled/In-active/Active)

Branding & Background
Upload custom emblems/images or choose from a variety of graphical backgrounds or solid colors

Layout Selection
Multiple layout options for both landscape and portrait modes

Canvas Customization
Hide/Show elements, define element size/font/color/background/border

Wireless Detection Alerts
Integration w/ Flying Fox Enterprise

Configuration & Control
Encrypted & authenticated API for 3rd party control

Secure By Design
RMF compliant, centralized management, real time alerts, syslog, audit logging, support for SSL certificates, 802.1X, & FIPS 140-2

Hardware
Small form factor
No WiFi/Bluetooth/RFID
Mini DP Output

Freeport Technologies Mercury is a customizable digital dashboard which provides visual operational awareness in multi-classification AV environments. Configuration and deployment do not require the use of a custom software application, graphical design tools, or computer programming skills.

Each endpoint can be individually configured via the built-in web UI. Features include customizable message fields, clocks (single or multiple groups), system status indicators, branding images, background images, themes (canvas borders), and layout selection. Showing/hiding a specific element will impact all the other elements on the dashboard. For example, removing specific message fields and/or status indicators will provide the ability to display more clocks. All available elements and text are resizable.

A Freeport provided small form factor device can be mounted behind each sign/display and connected via a digital output. Alternatively, an endpoint can be connected to a matrix switch or image processor for distribution via an image wall. Mercury has been optimized for 16:4.5 and 21:9 aspect ratios, however, it will scale to any aspect ratio to accommodate specific requirements. The video output resolution can be manually selected, or the canvas can be cropped to a specific size (e.g., to utilize the available space of an image wall or large display).

Customization options include the ability to hide/show specific elements and define all their respective attributes. All canvas settings can be saved as a pre-set; pre-sets can be recalled via the API based a specific event or response from another device.

The Mercury web UI also provides the ability to enable network and security related settings, update firmware, view/download log files, and export/import the dashboard configuration file for multiunit deployment.

All Mercury units ship with a highly accurate Real Time Clock (RTC) w/ battery backup. Mercury can be used as an NTP server (w/ encryption) for all other connected AV devices.