MERCURY

Digital Dashboard for Operational Awareness

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.

Mercury is configured via the built-in web browser. Features include customizable message fields, world clocks (single or multiple groups), break timer and/or stopwatch, system status indicators, branding and background images, themes (canvas borders), and layout selection. All features are fully customizable (size, color, rich text, clock type, etc.).

The hardware is a small form factor device that can be mounted behind a display and connected via a digital output. The device can also be connected to a matrix switch or image processor for distribution via an image wall. The built-in layouts have been optimized for panoramic display aspect ratios (16:4.5 and 21:9), however, traditional aspect ratios are also supported. The video output resolution can be selected to match the connected display, or it can be set to a custom size.

Configuration options include the ability to hide/show specific elements and define all their respective attributes. Once a canvas is created it can be saved as a pre-set; pre-sets can be recalled via the API based a specific event or a response from an external device.

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

Mercury can request and receive UTC from either an NTP server or via the Freeport provided highly accurate Real Time Clock (RTC) w/ battery backup. If an NTP server is unavailable, Mercury can be used as the NTP server (w/ encryption) for all other connected AV devices.

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 TCP 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 571-262-0400 | 470 Springpark Place Herndon VA 20170