

# SAN FRANCISCO POLICE DEPARTMENT DEPLOYS AV-OVER-IP DISTRIBUTION AND VIDEO WALL PROCESSOR SOLUTIONS



RGB Spectrum's *Zio/Galileo* platform enables critical visuals and data to be shared locally and remotely, giving San Francisco Police Department staff and outside agencies the ability to communicate, collaborate and coordinate each other's resources.

on the video wall and shared throughout the SFPD headquarters and with remote facilities via IP video streams on local area (LAN) and wide area (WAN) networks, with a VPN for added security. Personnel can select the entire video wall image, any region of interest on the wall or individual visuals to be encoded and transmitted.

For broader dissemination of information, SFPD uses RGB Spectrum's unique *Zio* Mobile App to give mobile personnel, vehicles and facilities the ability to view the video wall content on a mobile phone or tablet in real time. SFPD personnel can drag and drop content onto the *Zio* network and push these streams to mobile devices anywhere.

The San Francisco Police Department's (SFPD) public safety initiative includes a visualization technology upgrade in their Department Operations Center (DOC) to improve situational awareness and tactical decision-making.

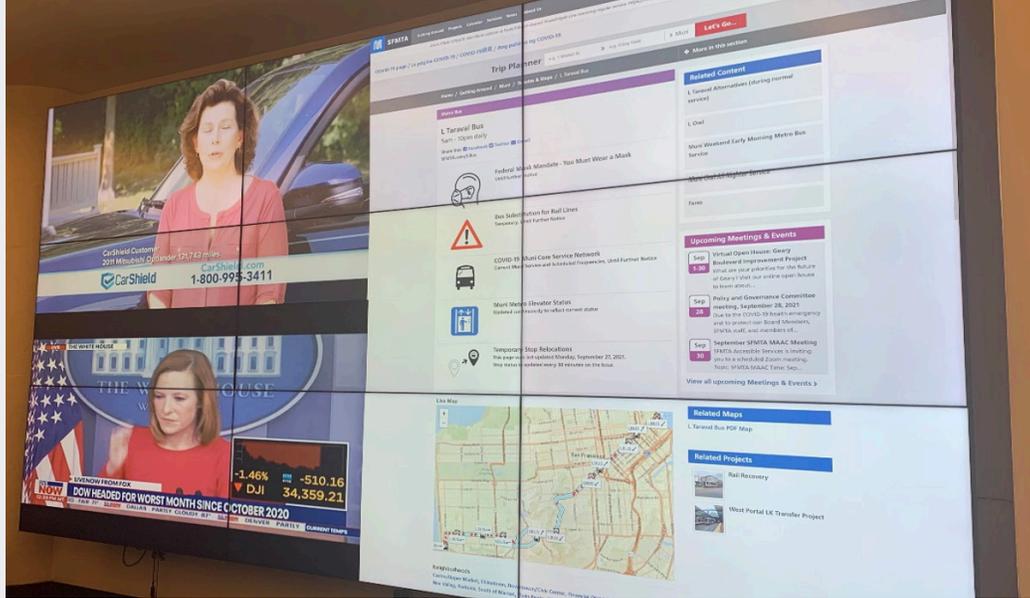
There are two key elements of the DOC upgrade: networked distribution of visuals within and outside the facility plus two centralized video display walls. SFPD deployed RGB Spectrum's *Zio* and *Galileo* AV-over-IP platforms to create a collaborative, information-rich infrastructure providing interagency knowledge exchange, interaction and collaboration. The result: improved incident assessment, analysis, decision-making, resource deployment and response.

A critical requirement for the SFPD was the ability to share visuals and data throughout the facility, with mobile officers, its remote workforce and with other offsite entities. Within its headquarters, this information needed to be distributed throughout the DOC and adjacent training and conference rooms.

The *Zio/Galileo* platform combines integrated video distribution with sophisticated multi-image display and enterprise-wide AV distribution of information over any size network. This platform allows the SFPD to push video wall content to anyone, anywhere. Data flows into and from the facility. Critical information can be simultaneously displayed



SFPD uses RGB Spectrum's *Zio* Mobile App to give mobile personnel, vehicles and remote facilities the ability to view the video wall content on a mobile phone or tablet in real time. This unique capability distributes and shares real-time information, to any device, anywhere.



The RGB Spectrum *Zio/Galileo* platform enables SFPD personnel to monitor various police activities real-time and communicate with its 10 district stations and other police facilities throughout its region.

When new content is pushed out, a notification alerts the mobile recipients and lets them instantly view the stream. Additionally, remote personnel can retrieve their own desired content by browsing thumbnails and selecting streams for viewing on their mobile device. This exclusive capability enables the SFPD to distribute and share any stream, to any device, anywhere.

The DOC's centerpiece is its two large video walls powered by RGB Spectrum's *Galileo* 4K video wall processor. The DOC room's primary video wall is a 3 x 7 configuration and its auxiliary video wall is a 3 x 3. A single *Galileo* processor can drive multiple video walls within the same or other rooms or feed both a video wall and individual displays interspersed throughout a facility. The output fed to multiple display surfaces can be the same or different.

The *Galileo* processor itself can directly receive and display IP streams from *Zio* encoders, as well as IP cameras, and other H.264 devices. The processor receives input from surveillance cameras, police car tracking systems, incident command status systems, local traffic conditions, detailed maps, local and national news, local broadcasts and other data. The processor consolidates these diverse sources, scales them to 4K resolution and displays them in windows of any size, anywhere on the two video walls. Personnel collaboratively view this centralized common operating picture of the tactical situation for incident assessment, response and resource deployment. In addition, personnel can also easily switch and route inputs, instantly choose customizable, preset display layouts and pan and zoom to view items of particular interest.

The *Zio/Galileo* platform is scalable and easily expandable to meet growing requirements. The system automatically detects and indexes new *Zio* encoders and decoders as they are added to accommodate growth requirements.

Bob Marcus, *President and CEO* of RGB Spectrum, explained, "Building upon RGB Spectrum's easily expandable platform, the San Francisco Police Department has enabled workflows to be shared region-wide, providing stakeholders and outside agencies access to SFPD resources. RGB Spectrum's *Zio* AV-over-IP platform and *Galileo* video wall processor and are ideal solutions for public safety operations. Together, they form a unique backbone to a decision-making video system, part of the company's commitment to aiding collaborative decision making.

Our motto: *Better Decisions. Faster.™*