

Christie Terra SDVoE technology ties it all together at Montgomery County Emergency Operations Center

Mitigate. Prepare. Respond. Recover.

Montgomery County Emergency Operations Center (EOC) in Conroe, Texas is the central, mission-critical point for government officials and local agencies to analyze incoming data and manage response efforts to large scale events and disasters, such as hurricanes.

CHALLENGE

A major technological overhaul at the EOC was desired to enable leaders, activated departments, and first responders to optimally collect, analyze and interpret data, respond to unfolding and rapidly changing events, and make decisions to protect life and property in the region.

SOLUTION

Christie® Terra, formed the backbone of the solution. With Terra, a flexible SDVoE (Software Defined Video over Ethernet)-based solution, a signal can now be distributed to any of the displays on-site via 10G Ethernet. A host of display technology – including 12 Christie Extreme Series 55-inch LCD displays has also been installed throughout.

“Montgomery County wanted a very flexible space, and a system that provided scalability,” says Chris Lawson, regional vice president, Conference Technologies, Inc. “It was important for them to be able to add sources and displays, and push information to them in real time with low latency in any arrangement of video and data required. Choosing Terra enabled that. They previously had a fixed chassis system, meaning they were limited in their number of sources and where they could push that information. We added a lot more displays during the upgrade and Terra helped to deliver that flexibility.”

The primary EOC room now features a 12-channel video wall in a 2 by 6 array of Christie Extreme Series LCD displays, which replaced a 2 by 2 videowall. Flanking the adjacent walls are several Christie projectors. In addition, there are a several conference rooms, each with display technology ranging from a single display to four displays. The EOC also features a press area in a nearby building with a projector, four displays, podiums and microphones, allowing journalists to be briefed on the latest news.



SDVoE[®]
ALLIANCE



Christie's Terra solution allows distribution of any source from the EOC to any desired room and/or display.

Christie Terra enables the transport, switching, processing and control of audiovisual content, including 4K at 60Hz video formats, over 10G Ethernet networks. Built on standardized SDVoE technology, Christie Terra provides unprecedented performance capabilities including the delivery of uncompressed, zero-frame latency, artifact-free video over readily available and affordable 10G components. Based on off-the-shelf 10G Ethernet components, the Terra solution allows for the design of simple, secured, flexible and highly scalable system architectures that offer the best performance and user experience over current approaches at a drastically lower total cost of ownership.

BENEFITS OF SDVOE TECHNOLOGY

SDVoE reaches beyond existing standards to provide benefits no other technology can claim:

- A complete ecosystem – SDVoE Alliance members are manufacturers with expertise in signal distribution, display manufacture, IT infrastructure, chip design and AV software. The integrator has dozens of partners to align with and products to choose from.
- A flexible yet simple software platform – the SDVoE API allows rapid development of highly specialized software, custom-tailored to the needs of a vast array of end users.
- A full OSI stack solution – only SDVoE offers the simplicity of a complete top to bottom solution, fully encompassing infrastructure, transport, processing, and a simple control layer.

ABOUT CONFERENCE TECHNOLOGIES, INC.

Conference Technologies, Inc. is a complete solutions provider for audio-visual, video, and information technology integration that delivers systems design, engineering, installation, technical support, video conferencing and event production services. Headquartered in St. Louis, Missouri, with twenty-two offices operating nationwide, they serve clients in the corporate, education, finance, healthcare and government markets, since 1988. Visit www.conferencetech.com to learn more.

ABOUT CHRISTIE

Christie Digital Systems USA, Inc. is a global visual and audio technologies company and a wholly-owned subsidiary of Ushio Inc., Japan (JP:6925). Consistently setting the standards by being the first to market some of the world's most advanced projectors, complete system displays, and cinema audio solutions; Christie is recognized as one of the most innovative visual technology companies in the world. From retail displays to Hollywood, mission critical command centers to classrooms and training simulators, Christie display solutions and projectors capture the attention of audiences around the world with dynamic and stunning images, accompanied by awe-inspiring sound.

For more information about Christie's Terra line of SDVoE solutions, visit www.christiedigital.com.



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