

Application

Many cities are growing at an incredible rate. So fast, in fact, that several are installing "Urban Planning Centers" to show existing citizens and potential new citizens and business owners what the city will be in 3, 5, or 10 years.

A series of overlapping video projections display panoramic views of the city, ranging from the historical and current photos and video to renderings of future planned development. Visitors will be able to interact with a physical model of the city by pressing buttons around the model that trigger narration, video, and lighting effects within the model.

Each city is different, but the Urban Planning Centers will be consistent from city to city. For simplified installation and maintenance, they should all operate in a functionally similar manner. This way, the installer has continuity between each installation for simplified maintenance, faster programming time, and they can maintain a smaller inventory of spare parts.

The shows and video content should be able to be updated remotely without needing to send a programmer to each planning center.

Solution

A **Medialon Showmaster ST** controls the equipment in the Urban Planning Center. The Audio Processor and Video Players are all controlled over IP, via an Ethernet Switch. The Lighting system uses **Showmaster ST's** DMX to control the house lights as well as the specialized lighting in the model.

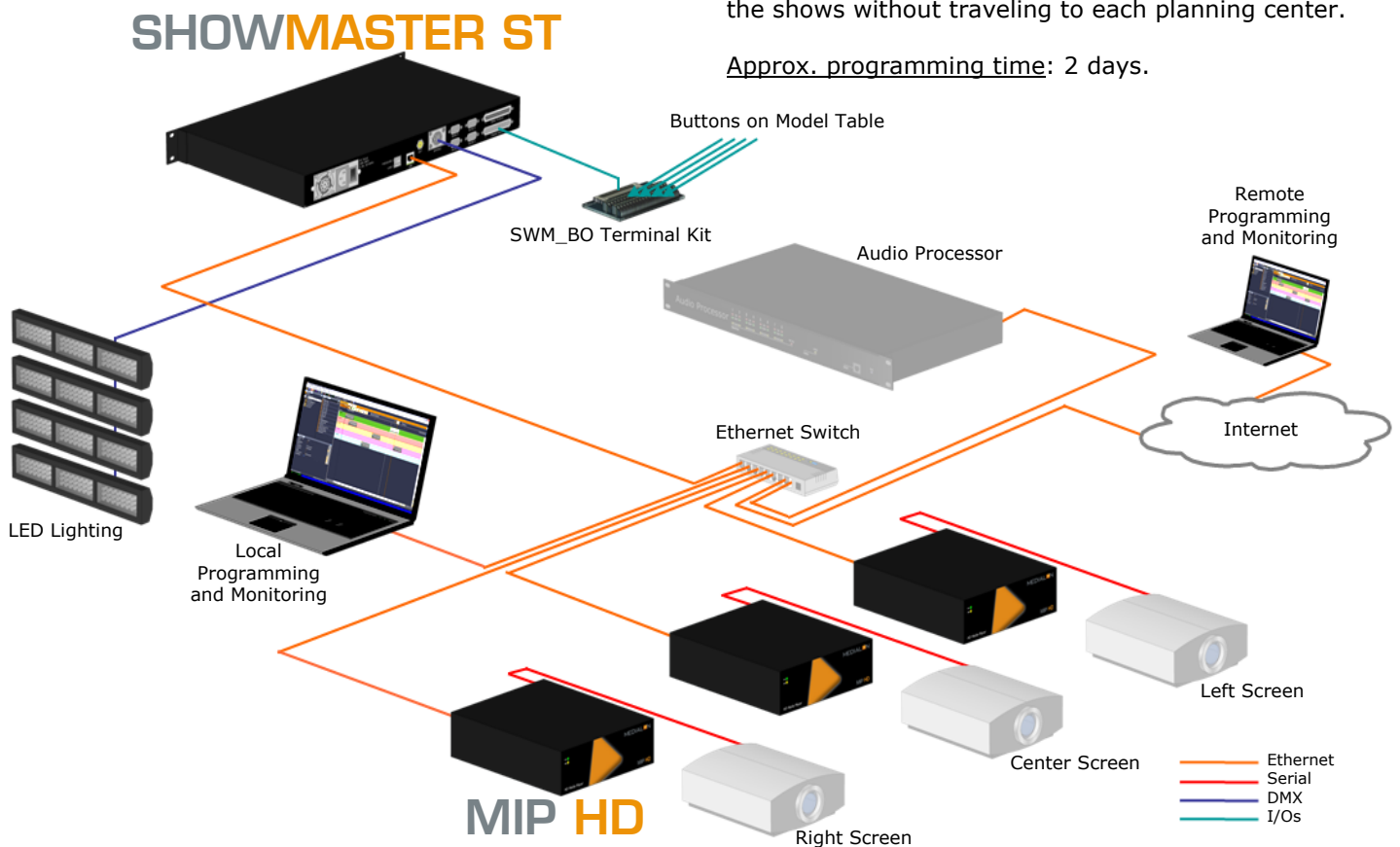
Medialon MIP HD video players deliver synchronized High Definition video content to each plasma screen. Because of their small size, they are located behind each screen, allowing for short runs of expensive video cables. **Showmaster ST** can send power on/off commands to the video projectors using the **MIP HD's** serial port, eliminating the need for long runs of serial cable.

The interactive buttons on the model table are wired to **Showmaster's** built-in Digital Inputs. Depending on which button is pressed, **Showmaster ST** can start different narrative shows about Water, Energy, Roads, Transportation and more.

A touch screen connected to the **Showmaster ST** via the network provides monitoring, scheduling and control of all the equipment and shows and provides for manual control for maintenance staff.

A maintenance PC is left in the system, connected to the Internet. Using a remote access service, programmers can access the system, upload new videos and update the shows without traveling to each planning center.

Approx. programming time: 2 days.



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