

Locus Robotics @ ProMat 2019 in Chicago

We're pleased to present you with an in-depth look at this exciting feature project, which served up a series of media display challenges that we're proud to say were successfully met using our flagship product, the Pro-Player Plus 4K media player system, aka PP+.



Project Scope & Client Overview

Locus Robotics is a new startup in the autonomous robot integration space, offering a unique solution for increasing warehouse productivity and efficiency. With over 40 monitors arranged throughout their Promat 2019 booth, the stage was set to draw traffic and tell their exciting story through the use of video, motion graphics and interactive engagement. But first, the stage was set to spec out a single solution media control system that could deliver and display a wide variety of media in a wide variety of configurations to a wide variety of monitors and arrays with minimal manpower at minimal cost at a near zero footprint.



Technology Layout & Control

The first impression for attendees included (2) 10-monitor arrays of 72" monitors mounted side by side from the story 2nd story railing, one on each side of the booth facing the main traffic aisles. Each monitor had a Pro-Player Plus 4K media player attached directly to it via a short HDMI cable and then networked back to a central point (the closet) via CAT6 cable. These monitors displayed frame accurately synchronized custom content, allowing these arrays to act as one single display. Because each monitor had its own PP+, each individual monitor's resolution was 1920x1080, making the overall array resolution an impressive 19,300x1080.

Technology Layout & Control Con't

Next there were (8) 50" monitors hung from the ceiling below the second story deck in a back to back arrangement in four separate locations. These too each received their own Pro-Player Plus 4K player connected via an HDMI cable and networked back to the closet via CAT6 cable. Each monitor group could display its own separate content or a single unified message.



On four interior walls beneath the deck were (4) 32" monitors with touchscreen overlays, each with its own Pro-Player Plus 4K player, along with the overlay USB connected to them. Using PP+'s ability to play HTML files, these screens displayed a custom website with which attendees could interact and drill down into company and product info. They also could play any of the digital media offerings at a moment's notice and return to the HTML when finished.



Technology Layout & Control Con't

Located on each of the two main aisles were an 86" monitor designated for fireside chats. In between PowerPoint sessions, PP+ ran the looping content. An ATEN 8x8 video switcher provided a seamless transition between devices. These were also attached to the network via a CAT5 cable run back to the closet. Even the ATEN switchers can be controlled vis Pro-Player Plus utilizing the binding feature. it's as easy as selecting the video you want to play and binding the video switcher preset to that video. When that video is selected, the ATEN switches automatically.



In the Robot Display section, there were two (2) 86" monitors arrays each consisting of (1) vertical and (1) horizontal synchronized with a robot to tell an in-depth story,

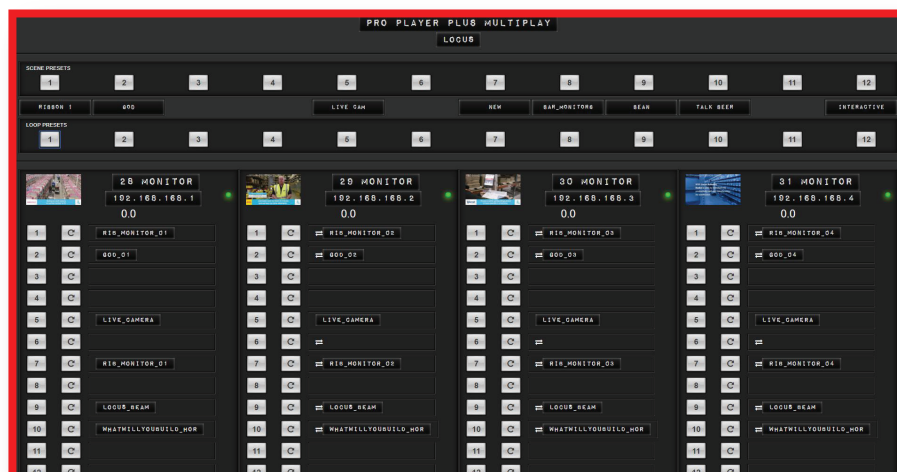


Technology Layout & Control Con't

The hall has some extremely large towers, and as luck would have it, one was located right in the booth space. The designer used this to full advantage by wrapping it with printed graphics and a total of (5) 86" monitors on three sides for more impact. Again, each monitor had its own Pro-Player Plus 4K player attached via an HDMI cable, and CAT6 back to the closet.



Finally, A Blackmagic 1080 camera attached to a Marshall VS-102 encoder allowed Pro-Player Plus to display a live camera feed (or any HDMI feed) on any monitor of choice. Once everything was connected, show content was loaded very easily: from the embedded web page on player #1, we just selected “upload” files and selected our files. Once they all loaded on #1, the system automatically distributed them to every other player on the network. It was then time to write the show cues. On player #1, we selected the “Multiplayer” tab to open this software, where we could then control every player from a single interface:



Once the cues were created, the technician used a wireless tablet to walk around the booth to check each cue to make sure all content was displaying as planned. Showtime!

Show Results

Traffic thru the booth was tremendous, the monitor arrays did their job to stop attendees and pique interest. Once inside the booth, touchscreens and surrounding displays offered viewers additional information. The tower was a beacon of branding and key information. Throughout the three show days, everchanging content kept things fresh. Every 20 minutes, a 15 second brand image video ran on all monitors. We were even able to do some live streaming utilizing our cellular router connection. Content created for this event was awesome, the folks at Exclaim Inc in Palatine IL did a flawless job. (Please contact them for your next project (847) 392-0008 www.exclaim-inc.com)



Pro-Player Plus media players delivered on every single media delivery challenge and did it in flawless frame accurate sync. Pro-Player Plus is the most powerful and flexible media playback and control system available today. It can be triggered by a countless number of devices as well as trigger the same number of devices. It's written on the Linux OS platform making it the most customizable platform possible. We have been able to meet every challenge presented to us from a wide variety of clients. Bar code scanners, thermal printers, water control valves, optical sensors, Modbus devices, ultrasonic sensors, etc., and we welcome your next challenge!

Return to our website to learn more about Pro-Player Plus 4K
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