

Christie solutions and SDVoE deliver immersive visuals in Journey to the West theme park

The newly completed “Journey to the West” theme park in Huai’an city, Jiangsu province, China features numerous attractions including two thrilling dark rides. These rides are based on famous episodes in *Journey to the West*, a 16th century novel about the legendary pilgrimage of Buddhist monk Tang Sanzang and his three disciples – Sun Wukong, Zhu Bajie and Sha Wujing – who travelled to the “Western Regions” in search of sacred texts. Among them is “Battle with the White Bone Spirit”, where a shapeshifting demoness called the White Bone Spirit made three attempts to deter the quartet from their mission, only to be subdued by Sun, a legendary mythical warrior best known as the Monkey King.

Challenge

These indoor amusement rides demanded highly immersive visuals, support for a variety of image resolutions and installation versatility. The client also desired flexibility to easily and economically expand and upgrade its AV systems in the future.

Solution

State-of-the-art Christie® RGB pure laser projectors, 1DLP® laser projectors, content management and AV-over-IP solutions were chosen to power these attractions and bring the visuals to life in the [Blooloo Innovation Award winning project](#).

Guests seated in uniquely suspended dynamic seats become part of the epic battle of wits and magic as the Monkey King thwarts attacks and evil spells conjured by the White Bone Spirit. The exhilarating action takes place on numerous gigantic screens illuminated by nine Christie D4K40-RGB pure laser projectors, three Christie D20WU-HS 1DLP® laser projectors and 18 Christie DWU850-GS 1DLP® laser projectors. AV distribution and processing is accomplished by nine sets of Christie Terra™ transmitters and receivers. They were installed and commissioned by Christie’s longstanding partner [Wincomn Technology](#), which is responsible for a number of acclaimed large-scale projects across China.

“We are honored to be part of this breathtaking dark ride based on one of the most beloved episodes of *Journey to the West*, which impeccably extols the virtues of bravery, devotion, intelligence and persistence in the face of danger,” said Tony Chen, general manager, Wincomn Technology. “In order to bring this ambitious project to life, the client required high-performance laser projection systems that provide long-lasting, reliable illumination, capable of producing an astounding depth of detail, support a variety of image resolutions, and installation flexibility. The Christie D4K40-RGB, complemented by the HS and GS Series projectors, are our top choices to deliver the exciting and highly immersive visuals that this attraction demands.”

“...Terra SDVoE solutions are key to the success of these highly anticipated attractions that has since elevated the visitor experience with awe-inspiring visuals.”

- April Qin
Sales Director for China, Enterprise
Christie



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Audiences are treated to stunningly lifelike visuals during the six-minute dark ride

All 30 projectors are strategically fitted across the 11,000 square meter (118,403 square feet) facility to light up an array of large surfaces that include dome-shaped screens, holographic displays and curved screens. Visuals are seamlessly transmitted by Christie Terra – a flexible SDVoE (Software Defined Video over Ethernet) based solution – to any of the projectors on-site via 10G Ethernet. By leveraging on standard Ethernet technology, SDVoE systems such as Christie Terra can scale-up in size very efficiently as needs evolve. This provides the attraction with flexibility to expand or upgrade its AV systems in the future.

The visuals of “Battle with the White Bone Spirit” have been widely praised by theme park guests. In particular, the massive dome-shaped screens illuminated by Christie D4K40-RGB projectors blew audiences away with spectacular images in 4K UHD resolution that enabled them to experience every minute detail of the legendary battle. Thus, it is no surprise that this six-minute dark ride is one of the most popular attractions in the sprawling theme park.

April Qin, sales director for China, Enterprise, Christie, commented, “The ‘Journey to the West’ theme park is a dream come true for fans of this novel, which is regarded as one of the four great classical novels of Chinese literature. We are delighted that our award-winning D4K40-RGB pure laser projectors, together with the dependable HS and GS laser projectors, as well as Pandoras Box and Terra SDVoE solutions are key to the success of these highly anticipated attractions that has since elevated the visitor experience with awe-inspiring visuals.”

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 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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