



Bristol Motor Speedway, TN, USA – Credit: GoVision

digiLED the driving force behind Colossus TV

An incredible feat of engineering, the mammoth structure erected at Bristol Motor Speedway, Tennessee, is the largest, outdoor, four-sided, centre-hung video display in the world.

Nearly 1,000 square metres of digiLED Toura6 LED modules make up the phenomenal four-sided display at Bristol Motor Speedway, Tennessee. The enormous digiLED project was completed in 2016 in collaboration with partners GoVision.

The quartet of screens that comprise the massive structure each measure 19.2m wide and 9m in height (that's nearly as tall as a three-storey house). Accompanying the main screens is a circular LED ticker suspended below. In total, the system hosts approximately 20 million pixels. With a pixel pitch of 6mm, this is the most tightly packed pixel display screen of any permanent fixture on the planet.

Creating a screen with a pixel pitch of 6mm requires adjacent panels to have a tolerance of less than 0.5mm," explained Tom Mudd, digiLED Technical Director. "This is normally executed using small panels, however, using a large panel format required greater precision. Our solution was to go to a UK fabrication company known for making Formula One parts, who helped us produce a golden sample corner block for the digiLED Toura6, an amazing piece of precision engineering. The corner block ensures that as two panels are placed together, the pixel spacing is perfect."

"Combine all the energy and excitement of Bristol with the ultimate theatre system, and you've got Colossus," explained Jerry Caldwell, BMS Executive Vice-President. "The size, resolution and sound of this display will draw our guests into every bit of action on the track and in the infield."

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Following the monumental project, digiLED was shortlisted for the Hospitality & Leisure Project Award at the reputable AV Awards for 2016. The Awards recognise innovation, excellence and best practice in the audio-visual industry.



CASE STUDY: STADIA