



DIGITAL SCREEN MODELLER

Features and Benefits

The Digital Screen Modeller from Harkness Screens is a 3D simulation tool that allows architects, engineers and exhibitors to visualise and optimise digital cinema scenarios in a virtual environment. The information-rich model rapidly created by the Digital Screen Modeller enables key project stakeholders to make more informed decisions about digital cinema screen, projector and lamp choices before they're even installed to ensure that these comply with industry standard brightness levels. The Digital Screen Modeller is also an ideal tool for planned or proposed retrofit and refurbishment projects to visualise the impact on brightness levels and operating costs in existing environments.

Real-Time modelling

Follow a 5-step process to quickly and efficiently build a 3D model of an existing or proposed auditorium. Watch the auditorium come to life as geometry, seating configurations, screen properties, projectors, lamps and 3D systems are selected. Make iterations to the model once complete and see the changes appear instantaneously.

Current digital cinema manufacturer content

From the latest small-chip projectors through to lamps, 3D systems and screens, the Digital Screen Modeller has all of the latest technical specifications for the leading digital cinema manufacturers enabling you to create an accurate auditorium model.

Visual and numeric screen brightness simulation

With a 3D model created, use the Digital Screen Modeller's 3D screen brightness simulation tools to pick any seat in the auditorium and gain a visual and numeric representation of the estimated on-screen brightness levels at nine defined points on the screen, all in 3D. Automatic light loss calculations for format losses, port glass and 3D systems allow you to view a more accurate simulation of on-screen brightness levels. Jump directly from seat to seat or even to the highlighted DCI seat. Use the real-time modelling options to alter the auditorium's configuration and immediately see the impact on screen brightness from any given seat.

Load and save configurations

Want to model entire multiplexes, compare two different configurations for the same auditorium or even just save one auditorium for use at a later date? Simply register your copy of the Digital Screen Modeller for free online and the software will instantly allow you to load and save an unlimited number of 3D models. Configurations are easily recognisable by their file name, date and key settings.

Harkness Free E-consultancy

Not sure if you've specified the right lamp, screen or even the level of tilt or curve in the screen? Want further advice on the configuration you've specified in the Digital Screen Modeller? Harkness Screens can assist you to ensure your specified configuration is optimised so that it delivers the best audience viewing experience. Simply register your copy of the Digital Screen Modeller for free online and the software will instantly allow you to share your configuration with Harkness Screens. E-consultancy is a free service and Harkness will aim to respond to all requests within 3 working days.



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