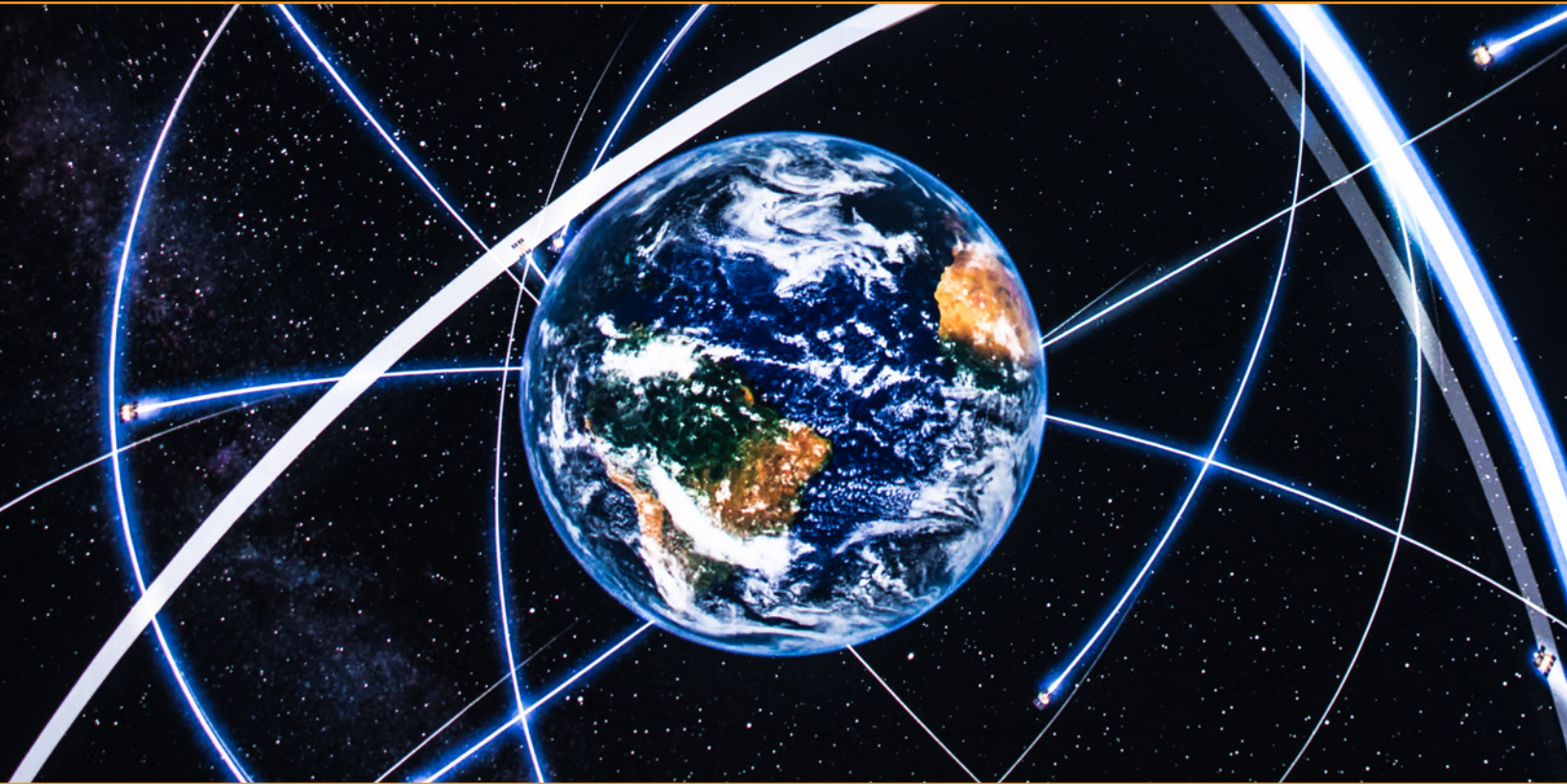


DIGITAL PLANETARIUMS



Actual image of the 40-foot 'New Horizon's Dome Theater' at the New Mexico Museum of Space History using two Digital Projection INSIGHT LASER 4K Projectors for a total of 24,000 lumens

ALL DIGITAL FOR THE BEST EXPERIENCE

Many years ago, the switch to digital content for planetarium shows changed how we view the universe in these high-tech dome theaters. Ironically, many video projectors used in planetariums still employ analog technology. In particular, projectors using liquid crystal (LC) projection technologies like LCoS (sometimes called D-ILA or SXRD) or LCD must convert a digital signal to analog in order to process and display that signal. If having a true digital image in your digital planetarium matters, then the only true digital video projectors that can reasonably be considered are DLP® projectors.

DLP, which stands for Digital Light Processing, uses a digital micromirror device invented by Texas Instruments to modulate digital video signals without the need for an analog conversion process. Setting a new standard for color accuracy, Digital Projection Inc. co-invented 3-chip DLP projection technology with Texas Instruments in the 1990's selling the first 3-chip DLP projector in 1997. To this day Digital Projection International (DPI) exclusively manufactures projectors based on DLP technology. This deliberate focus allows DPI to provide world class DLP products, service and support, all dedicated to this superior projection technology.

DLP projectors benefit from solid-state, digital device stability and are well known as the technology platform on which best in class image quality is produced. DLP's image quality, longevity, and reliability make DLP projectors the choice for over 90% of movie theaters worldwide as well as for most critical imaging applications. Additionally, the DMD chip boasts a mean time between failure rating of over 100,000 hours. Combining that superb reliability with Digital Projection's robust 20,000-hour laser phosphor light source creates a platform that delivers best in class image quality and long-term stability & dependability. The result - stunning video imagery that will look great show after show, year after year, with no lamp replacements and little or no maintenance required.

DLP® projectors from Digital Projection are the perfect projectors for any dome, providing solid-state laser illumination up to 27,000 lumens and resolutions up to 4K. Recommended configurations for most domes are listed below, including specific dome lenses. For more information or to request a demo, email us at: visualization@digitalprojection.com.

24M (+) DOME RECOMMENDATIONS:

INSIGHT 4K DUAL LASER PROJECTOR:

Each projector is 3D capable and outputs 4096 x 2160 resolution / 27,000 lumens brightness / 20,000 hr light source

- 4K Dome: 2 cove mounted cross firing projectors using dome lenses with one blend across dome top
- 8K Dome: 5 to 6 cove mounted projectors with one projector for dome cap and others for horizon

20M-24M DOME RECOMMENDATIONS:

INSIGHT 4K DUAL LASER PROJECTOR:

Each projector is 3D capable and outputs 4096 x 2160 resolution / 27,000 lumens brightness / 20,000 hr light source

- 4K Dome: 2 cove mounted cross firing projectors using dome lenses with one blend across dome top
- 8K Dome: 5 to 6 cove mounted projectors with one projector for dome cap and others for horizon

INSIGHT 4K LASER PROJECTOR:

Each projector outputs 4096 x 2160 resolution / 12,000 lumens brightness / 20,000 hr light source

- 4K Dome: 2 cove mounted cross firing projectors using dome lenses with one blend across dome top
- 8K Dome: 5 to 6 cove mounted projectors with one projector for dome cap and others for horizon

15M-20M DOME RECOMMENDATIONS:

INSIGHT 4K LASER PROJECTOR:

Each projector outputs 4096 x 2160 resolution / 12,000 lumens brightness / 20,000 hr light source

- 4K Dome: 2 cove mounted cross firing projectors using dome lenses with one blend across dome top
- 8K Dome: 5 to 6 cove mounted projectors with one projector for dome cap and others for horizon

HIGHLITE LASER 4K PROJECTOR:

Each projector outputs 3840 x 2160 resolution / 12,000 lumens brightness / 20,000 hr light source

- 4K Dome: 2 cove mounted cross firing projectors using dome lenses with one blend across dome top
- 8K Dome: 5 to 6 cove mounted projectors with one projector for dome cap and others for horizon

5M-15M DOME RECOMMENDATIONS:

INSIGHT 4K LED PROJECTOR:

Each projector outputs 4096 x 2160 resolution / 3,000 lumens brightness / 60,000 hr light source / REC2020 color!

- 4K Dome: 2 cove mounted cross firing projectors using dome lenses with one blend across dome top
- 8K Dome: 5 to 6 cove mounted projectors with one projector for dome cap and others for horizon

INSIGHT LASER 4K PROJECTOR:

Each projector outputs 4096 x 2160 resolution / 12,000 lumens brightness / 20,000 hr light source

- 4K Dome: 2 cove mounted cross firing projectors using dome lenses with one blend across dome top

HIGHLITE LASER 4K PROJECTOR:

Each projector outputs 3840 x 2160 resolution / 12,000 lumens brightness / 20,000 hr light source

- 4K Dome: 2 cove mounted cross firing projectors using dome lenses with one blend across dome top
- Configured as 5 to 6 cove mounted projectors with one projector for dome cap and others for horizon

E-VISION LASER 4K PROJECTOR:

Each projector outputs 3840 x 2160 resolution / 7500 lumens brightness / 20,000 hr light source

- 4K Dome: 2 cove mounted cross firing projectors using dome lenses with one blend across dome top
- 8K Dome: 5 to 6 cove mounted projectors with one projector for dome cap and others for horizon