

STUDIO ALPHA



THE MIRAGE

LED VOLUME STUDIO

Studio Alpha: *The Mirage*

The Mirage, our LED Volume studio, stands at the cutting edge of modern filmmaking technology. It features an extensive array of LED panels that effortlessly transform creative visions into virtual realities. Unlike traditional green screens, The Mirage enables real-time, responsive digital environments, integrating talent and objects seamlessly into any world created using either Unreal Engine's powerful capabilities or through high-resolution video plates. As a key feature across our trio of studio spaces, The Mirage syncs perfectly with our comprehensive array of cameras, accessories, and advanced lighting & grip equipment.

Below is a snapshot of clients who have brought their ideas to life utilizing The Mirage, our pioneering LED volume studio:



SONY

Ontario 



Twizzlers

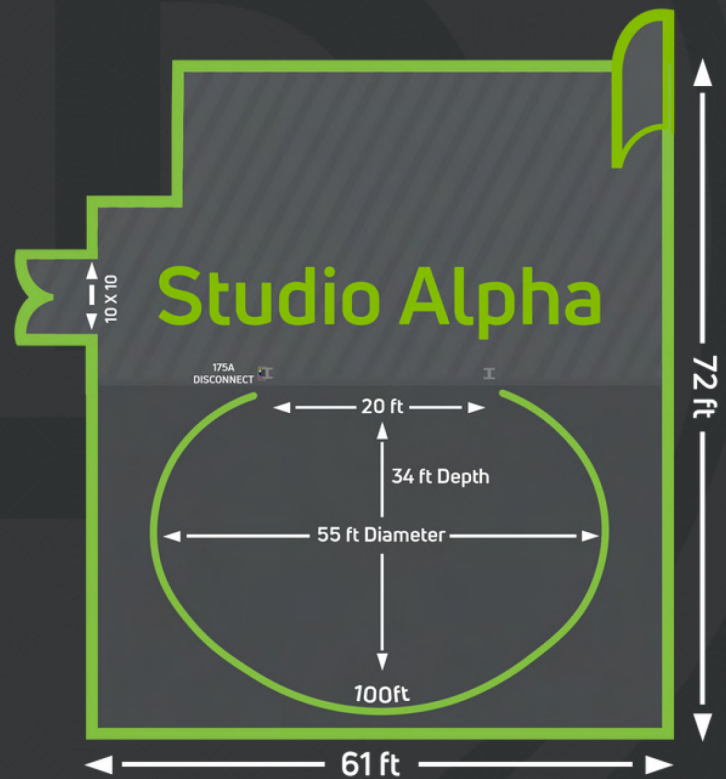
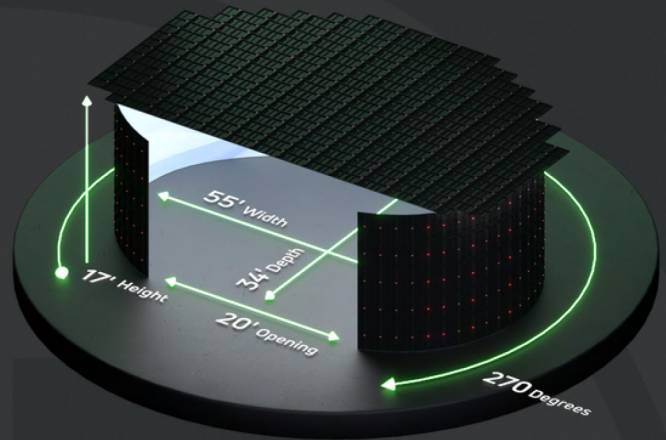


CIBC 



Toronto Film School





WALL

Resolution — 8,192p x 1,280p

Pixel Pitch — 3.9mm

Total Pixel Count — 10,485,760

CEILING

Resolution — 3,840p x 2,304p

Pixel Pitch — 3.9mm

Total Pixel Count — 3,768,320

VOLUME GENERAL DETAILS

Power Consumption	150kW
LED Processor Unit	NovaStar H9
Maximum Refresh Rate*	60Hz
Wall Resolution	8,192p x 1,280p
Ceiling Resolution	3,840p x 2,304p
Pixel Pitch	.3.9mm

*SUBJECT TO CAMERA COMPATIBILITY

CAMERA & VIDEO SUPPORT

Supported Video Extensions	MOV, AVI, GIF, MP4, MPEG
Recommended FPS without Genlock	24fps*, 30fps
Recommended FPS with Genlock	24fps*

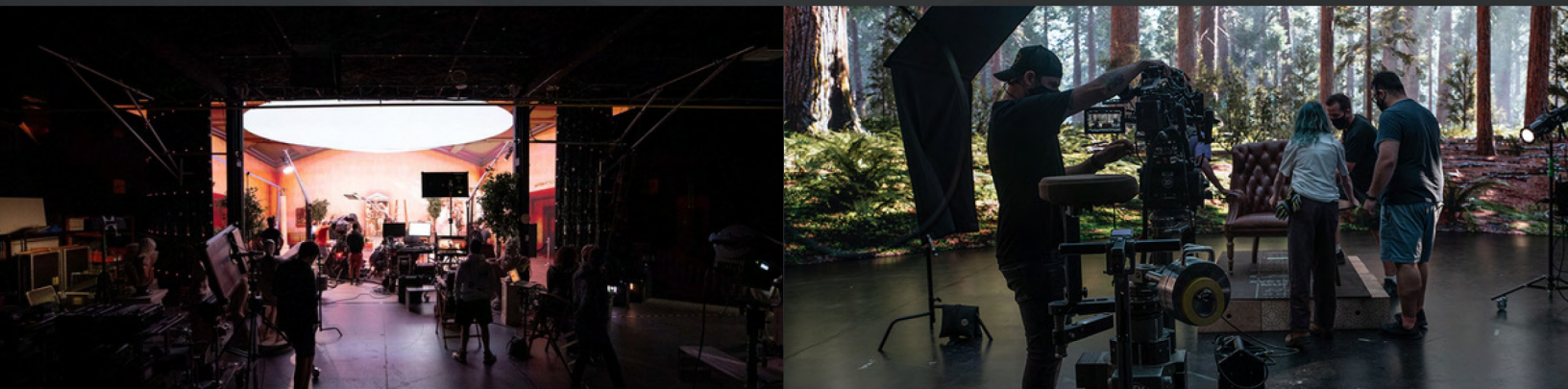
*SPECIFICALLY 24.000 FPS NOT 23.976 FPS

CAMERA TRACKING

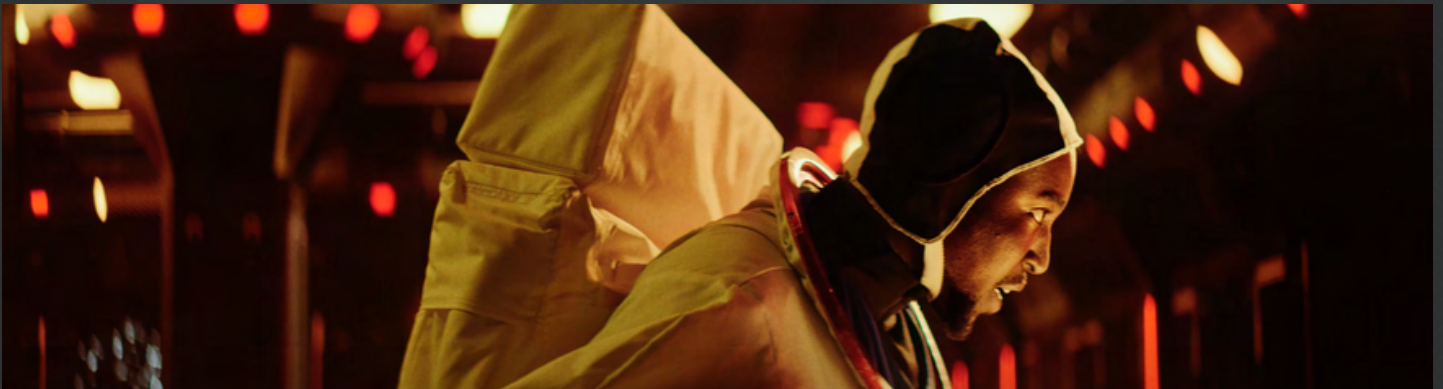
Mo-Sys Star Tracker with retro-reflective stickers to calculate the absolute position of the principle camera.

OPERATING SYSTEM

Unreal Engine V5.1



CLICK ON ANY OF THE IMAGES TO SEE THE VIDEO



CLICK ON ANY OF THE IMAGES TO SEE THE VIDEO



CLICK ON ANY OF THE IMAGES TO SEE THE VIDEO



CONTACT US

Curious to discover whether *The Mirage* is the ideal solution for your next project?

Contact us to learn more or arrange a demo with our Virtual Production team.

 [+1 416-800-2499](tel:+14168002499)

 www.2dhouse.com

 studios@2dhouse.com

 [230 New Toronto St, Etobicoke, ON](#)
[M8V 2E8](#)

