



NEW PARADIGM OF 3D / UHD THEATER

# MOCOM PLEX

[www.mocomplex.com](http://www.mocomplex.com)

## CEO Greetings

With the coming of the 21st century, 3D has been greatly affected by the convergence of IT technology and optical technology, and an epoch-making moment changing movie history by the movie "Avatar" directed by James Cameron in 2009. Though an undulation shall come, there is no one who denies that 3D will become henceforward the mainstream of images.

Though the theater industry has developed from large single-screen theaters having about 1200 seats in 1960s to multiplexes having five or more screens with the respective 200 seats in 1980s. Now, thirty years later, an excessive cost of the investment to the specialized theater building has been an obstacle for development of the market and a solution is demanded.

In addition, since exiting 3D theaters still use silver screens developed about 40 years ago, their dark images and unclear colors have been accused for causing headaches and worsening eyesight.

As MOCOM PLEX's 3D theater technology uses optical technology and improves the aforementioned problems, MOCOM provides the only multiplex structure in the world capable of being installed in a general structure building and, in particular, MOCOM PLEX's theater technology consists of international patent technology of a new paradigm that realizes an extreme brightness and high-definition 3D images compared to an existing 3D theater.

MOCOM PLEX is planning to install and operate theater structures throughout the country based on joint investment and aims to expand viewing opportunities for patrons and increase profits of film distributors by specializing in re-release theaters. As a space to provide the various cultures such as 3D sports, 3D plays, 3D music, etc, we will contribute to a local culture by extending our technology to sub-central areas. Your support would be greatly appreciated.

MOCOMTECH Co., Ltd.  
MOCOM PLEX Co., Ltd.  
MOCOM U.S.A Co., Ltd.

CEO Choi, Hae-Yong



## Award Winning Screen Technology

Since the inception of projection screen production at its facility, Mocomtech strived to become the leader in projection screen technologies.

Through continuous research and development during the past 15 years, Mocomtech has consistently introduced innovative, quality-driven screens to the market. Mocomtech screens' innovation and quality have received numerous accolades in the industry including CES Innovation Awards for 3 consecutive years, Presidential Prize (Korea) for 2 years, World First Class Product Award, etc.



## Facilities



Seoul Office



Korea Factory 1



Korea Factory 2



USA actory site

- ▶ Asia
  - Dongduchun, Korea(6,964m<sup>2</sup>)
  - Pochun, Korea (3,593 m<sup>2</sup>)
- ▶ North America
  - Barstow, CA, USA(161,877m<sup>2</sup>)
  - Planned factory site

## Great Number of Patents in Screen Technology

- ▶ Patents in USA, U.K, S.Korea, China, India, Japan, Germany, etc.
- ▶ Number of registered patents
  - 350 - Korea
  - 100 - International





New 3D Theater Paradigm!

## MOCOM PLEX

- 6 Times Higher 3D Image Definition Than Existing Silver Screens
- The Only Installable-in-General-Buildings Multiplex in the World
- Vibrating Chair Sensing Low Sound for Outstanding Sound Quality
- Luxurious and Delightful Space







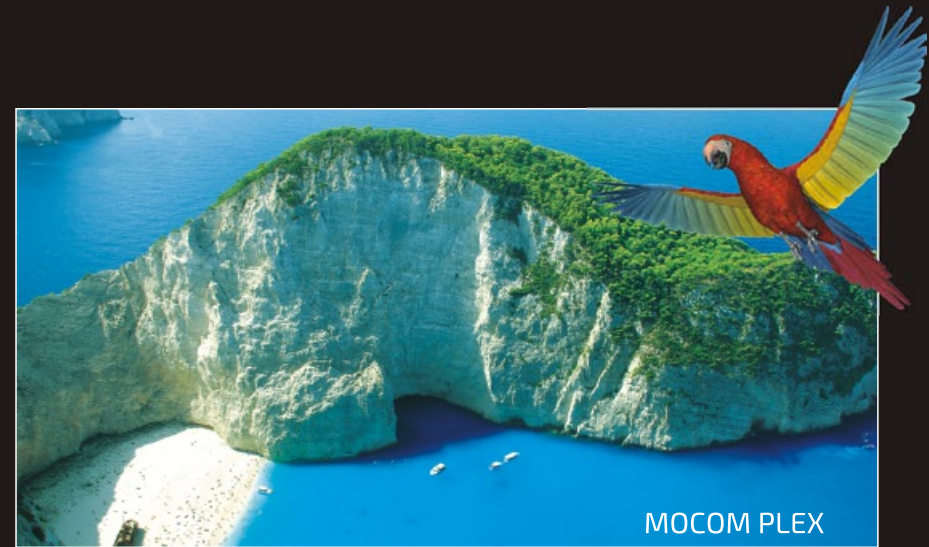
# Innovative 3D Image Dimensional Effect

Up to 18 Times Brighter & Higher definition Than Existing 3D Silver Screens

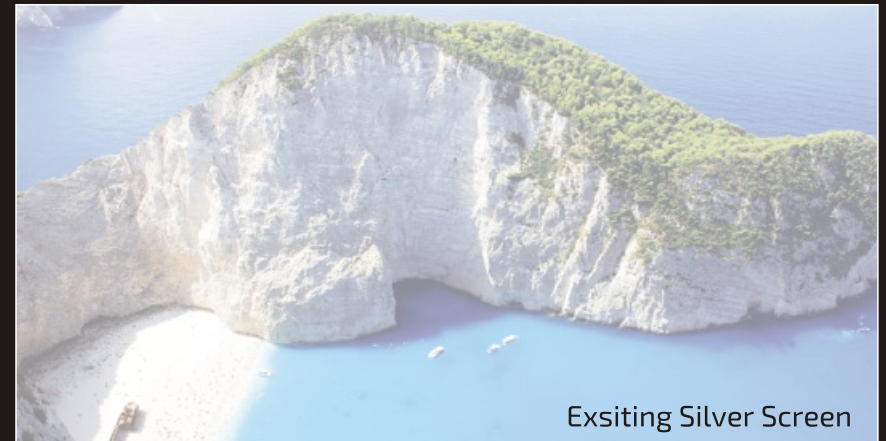
For existing 3D movie theater silver screens has been in the market for 40 years, it causes brightness declines from 1/4 to 1/20 compared to 2D due to surface evaporation of aluminum powder and also may cause headache and eyesight deterioration.

As MOCOM PLEX's screen is an extra-large aluminum metal screen performing an operation like a lens, brightness, definition and dimensional effects from high-definition 3D image technology are 6 times greater than existing silver screens and 18 times than normal screens. Incomparable with no other!

MOCOM Screens is the theater screen capable of high definition image at even far distance as nano-level scattered ray forms on the surface of MOCOM screen, and increases definition by 20 times from 8K to 16K, 32K to 64K; while average theaters display rough image.



MOCOM PLEX



Existing Silver Screen

Light : 50~100 Lux



## 1. Advanced 3D Screen

- Optical Structure : Distance of projection and screen focal distance is perfectly matching, no hot spot.
- Perfect Uniformity : Homogeneous brightness of the center and periphery of the screen
- Upgraded Video Response Speed : 20 times faster than regular screen
- Aluminum reflective screen : No afterimage, does not generate a chromic crosstalk of 3D images.



## 2. 90% Visual Satisfaction Rate

- 90 % sight angle with doubled valid theater seats are secured than general theater as of two screens in both front and rear sides with one projection room in the middle, whereas average 3D screens reduce whole vision into half size.



## 3. Low Sounds Sensing Vibration Chair

- MOCOM PLEX specialized in a low sound sensing for strengthening the musicality of a movie while 4D chairs in amusement parks are focused on temporary stimulus.



# Innovative 3D Multiplex Structure

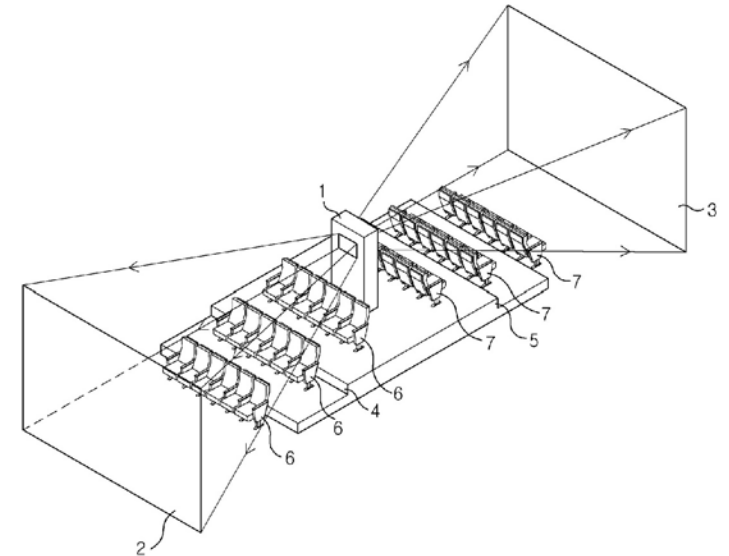
**Doubled Viewing Angle 3D Movie Theater!**

**World's Unique Installable Multiplex for General Buildings!**

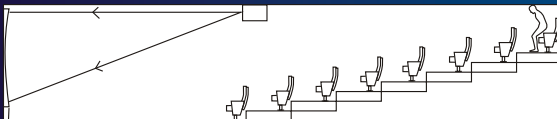
In general building, theater structure installation is impossible with in average height of the space, less than 3m(9.8ft), with the height of the structure is to be 2m(6.6ft) in case of 8 rows being applied for 25cm(9.8in) height chair arrangement.

MOCOM PLEX has a structure arranging two screens in both the front and rear directions, equipped with a projection room in the middle. By arranging 8 rows with the respective 4 rows of symmetrical structure, pleasant screen viewing can be provided even in a general building. This is a new innovative theater structure and the only multiplex structure in the world, installable in general buildings.

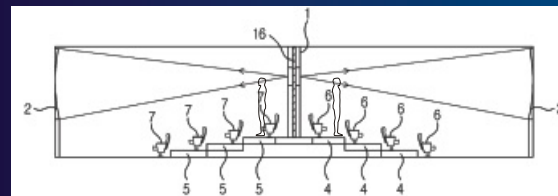
Our theater structure can be installed in any place with a single theater, having 32 to 64 seats in an area of 66 to 90m<sup>2</sup>(968.75ft<sup>2</sup>), and 4 to 5 screens in 330(3552.09ft<sup>2</sup>) to 430m<sup>2</sup>(4628.48ft<sup>2</sup>).



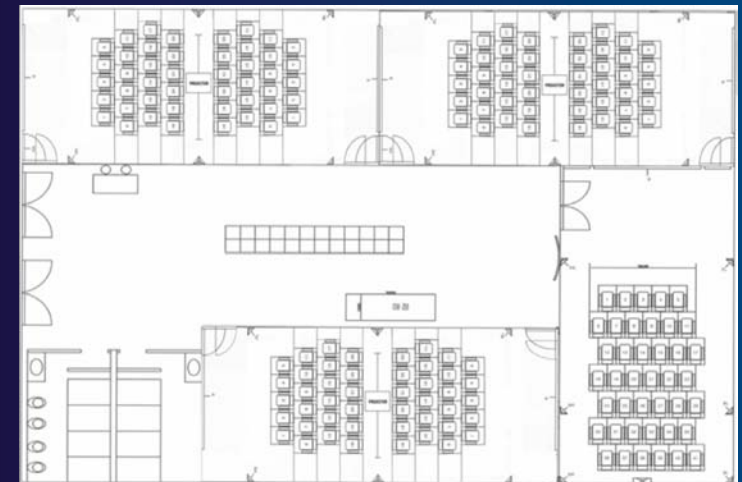
The only multiplex structure in the world capable of being installed in general buildings!



Traditional Theater's Structure



Mocom Plex



Mocom Plex's Structure



# Installable in Various Places



For existing multiplex structure requires special construction with over 6m height, issues of excessive investment in initial construction, profitability, limited installability in urban area are considered as critical restriction factors for theater management.

MOCOM PLEX can be installed in spaces up to 3m(9.8ft) height at various places.

## Installable Places:

Supermarket, Shopping Mall, Fast Food Restaurant, Coffee Shop, Department Store, University, Amusement Park, Corporate Conference Room, Apartment, Museum, Church, Military, Long-distance Transportation(Bus, Train, Cruise)



Apartment



Terminal



Train



Shopping Mall



Department Store



Theme Park



Large Building





## Various 3D Contents

Delivering high-definition 3D images on large screen at bright places, MOCOM PLEX will be a representative of “cultural hot spot” in local community, providing various 3D content comprising Hollywood 3D movies, 3D sports, 3D POP, and etc.

3D Movie, 3D Concert, 3D Play, 3D Education,  
3D Presentation, 3D Sports, 3D Advertisement,  
3D POP, 3D Home Shopping, 3D Documentary,  
3D Animation, 3D Games



3D Presentations



3D Sports



3D Concerts



3D Advertisements



3D Movies



3D Plays



3D POP

## Patented Cutting-edge Technologies



- Cultural Business Development Based on Technology Evolution, High Profitability, and Low Risk Factors.
- Korea's representative in 3D images advanced technologies
- Advanced industrial technology converging optical technology, 3D technology and IT technology



AL-Shaped 2.4 : 1 Projection Screen



3D Projector + Image Control Box



Vibration Chairs



Multi-channel Amp



3D passive glasses

## Features

### 1. Projection Screen

- Model : 2 X MPC-175
- Ratio : 2.4:1
- Shape: Concave (Lens-like)
- Material: Aluminum
- Brightness: 18-Gain

### 2. Projectors

3D projectors projecting front and rear side

### 3. 3D Image Control box

Synchronizing right/left image into one 3D image

### 4. 3D Glasses

Light, price competitive polarized passive 3D glasses

### 5. Vibration chair with low sound (Woofer)

Specialized in a low sound sensing structure for strengthening the musicality

※ Ask Mocom for Details

## Warning

Any person making, using, importing without permission will be subject to an injunction, liable for damages and can be sued for infringement.

## Patent Worldwide

### P.A.T NO.

U.S.A. : 6.646.800

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**MOCOM TECH CO., LTD.**  
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