# 3D 立體電影的 4 維觀察


## 摘要

2009 年詹姆斯・卡梅隆 (James Cameron)導演的《阿凡達》3D 立體電影的票房成功，已經讓 3D 電影趨勢迅速向全球發展。一套完整的 3D 電影系統包括 3D 的影片內容製作、3D 內容的傳輸、3D 內容的放映三個環節。但是台灣針對 3D 立體電影的發展只集中在增加 3D 立體電影院放映的設置，而台灣針對 3D 立體電影的製作技術發展與研究卻非常有限。

本研究方法將採取文獻探討與專家採訪，研究內容將分成四大方向，包含 1.3D 立體電影的技術、2. 3D 立體電影院介紹、3. 3D 立體電影製作分析與 4. 台灣 3D 立體電影未來展望建言。

本研究目的期望能建立3D立體電影製作技術相關的知識，幫助提昇台灣立體電影的製作實力與鼓勵台灣3D電影製作技術的相關研究。



**關鍵字：**3D 立體電影、3D 立體電影製作

# The Four prospects of Stereoscopic 3D film


## Abstract

In 2009, James Cameron directed "Avatar" Stereoscopic 3D film and got the great success in the box office in many countries. It has given the trend to rapid the development for Stereoscopic 3D film production. In Taiwan, the development of Stereoscopic 3D film only concentrate on increasing the numbers of 3D cinema screens, instead of the development of technology in Stereoscopic 3D film production and the increasing of related researches.

The methods of this research are literature review and interviews with experts. This research consists of four aspects, including the technology of 3D film production, the introduction to the systems of 3D cinema screen, the processing of 3D film production, and the suggestions for the future prospects of Stereoscopic 3D film industry in Taiwan

The purpose of this research looks forward to establish the related knowledge of the technology in Stereoscopic 3D film production. This research hopes to help the film makers in Taiwan to increase the skills in Stereoscopic 3D film production, and also to encourage the other researchers to do the related research about the technology of Stereoscopic 3D film production in Taiwan.



**Keywords:** Stereoscopic 3D film, Stereoscopic 3D film production