

# Analysis of the Influence of Digital Image Technology on Image Viewing

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**Abstract:** Image is an unreal and virtual world in our daily life, but it can reflect the real and real life, which has become an inseparable part of our daily life. Nowadays, among all art forms, the most rapid development is probably the film and television, which is commonly known as the film and television art. Art accompanied mankind through the first savage years, and became the spiritual home and soul habitat of mankind. It is a symbol of people's ideal of beauty and freedom. Art belongs to the public and everyone in society. Art comes from and grows in the people. Its highest mission is to serve the people.

## 1. Digital Image

Digital image is a dynamic, holistic and active interactive communication field of artistic life. It brings new artistic vision and more people's thinking about life. Here, people can open up a space for dialogue with images and listen to their inner voice through the sound of images.

## 2. Aesthetic Psychology of Movie Watching

Aesthetic ideal refers to an ideal aesthetic realm that people yearn for and pursue in reality.

Image has brought many changes to people's daily life. With the progress of science and technology and the increase of leisure time, more and more people go to watch, understand and even make images. It is facing hundreds of millions of viewers, who are of different ages, classes, cultures and aesthetic tastes scattered in all corners of the world, and they can choose the images they are interested in at will.

Image is to weave colorful Fantasies for the audience, so that the audience temporarily forget the troubles of real life, with the tragedy and joy of the characters in the play and joy and sorrow, from the characters in the play to find their own shadow.

Different audiences have different aesthetic tastes. Some audiences are attracted by the color in the image. Perhaps they think that the stimulation of color to the eyes directly affects the aesthetic consciousness, and at the same time it expresses the audiences' psychology well. Audiences with special knowledge of art, such as art and photography, will subconsciously appreciate the pictures and the costumes of the characters and so on. In today's era of talking with pictures, the composition of pictures and the design of costume props are particularly important, but the involvement of digital technology makes images more impressive. In today's multimedia era, with the increase of communication channels, people's way of watching movies is also increasing. Every change in the way of image transmission brings new experience to the audience and also gives images. It has brought about new changes in itself.

## 3. Digital Image Technology Change the Experience of Movie Watching

All information is digitalized, and all production, consumption and ways are digitalized, so everything has the possibility of becoming a digital information dissemination media or channel. With the progress of the times and the development of science and technology, the innovation of digital image technology is constantly sublimating. Digital technology has gradually changed the traditional film, which has become an indispensable part of film technology.

### **3.1 Omnipotence, Change of Authentic Experience.**

Image is a virtual world, it can do anything. It sets up a lot of actions, plots and so on that are in line with most people's appreciation habits. With the rapid development of computer technology, many lenses that can not be made by traditional film making make the film more perfect through computer technology. So traditional movies introduced digital technology. For example, in *The World Without Thieves*, Liu Dehua pokes eggs with a glass, and in *Heroes*, Li Lianjie's sword pierces water droplets, which are rarely seen in real life and in the general cinema, makes the impossibility possible.

The improvement and diversification of digital image technology give the audience visual enjoyment. Through various channels of communication, it transmits a signal to the audience. It brings the audience into the image and gives people a sense of immersion. The film is illusory and artificial dream. The image world it creates is sometimes more real than the real world.

Digital technology is also pursuing a kind of reality, a kind of "real" virtual image that can not be seen by the audience is produced by special effects. The reality of virtual image is no longer the real counterpart in real life, but created by people's developed imagination. Like the underwater plume in the Hollywood film *"Deep Sea Alien"*, it exists out of nothing. It goes far beyond people's life experience and visual experience, but it is in line with human curiosity and imagination in exploring the unknown world. Many directors use digital technology to create a fantastic image situation, greatly satisfying the tired soul of modern people, satisfying people's psychology of seeking stimulation and escaping from reality.

Digital film technology can change or reconstruct a certain part of the image and situation, create lenses that can not be achieved by ordinary photography methods, such as the soul fighter in *The Lord of the Rings* and the mythical architectural environment and the fire in the sky in *The Lord of the Rings*, and achieve almost omnipotent, arbitrary, synchronized with imagination and fantasy.

The plot of films like *"Born in the Cross Air"* needs to detonate a nuclear bomb, but in real life we can't detonate a nuclear bomb. The production method of traditional movies can't meet the needs of the audience. On this basis, the entry of digital technology is particularly important.

In the movie *Saving Private Ryan*, the battlefield of 200 people in reality has become the battlefield of tens of thousands of people through digital technology.

The introduction of digital technology into movies makes the production of movies more convenient. The reality of movies is no longer to reproduce reality with camera machinery, but to create a "sense of reality". More importantly, for movies, digital technology becomes a supplement to photography technology and creates a high degree of aesthetic realism. Digital technology can not only create things that exist in life but are extremely difficult to shoot, but also create things that do not exist in the world.

With the help of digital technology, movies have infinite possibilities.

### **3.2 Reflections on the View of Time and Space.**

There is such a part of the content in the artistic text, which belongs to both the real existence and the spiritual world expressed by the artist, and at the same time is something people accept, understand and appreciate. Because of the existence of this part of content, with such a foundation, art texts have reasons to exist beyond time and space, beyond entities and beyond specific forms.

Human needs are always infinite. The pursuit of realistic images and enthusiasm for spectacular images make filmmakers constantly look for novel means of expression. The development of high technology, especially digital technology, has enriched the expression of time and space in movies.

Through digital technology to achieve "space-time shuttle" performance techniques under the role of digital technology, with a smooth motion lens can explain clearly. Moreover, such "fluency" creates a unified sense of space and a tense atmosphere on the spot, which satisfies the audience's psychological expectation of understanding the time and space displayed. In fact, many people have the experience of flying freely in their dreams. Psychologically, such dreams can be attributed to the growth of the dreamer's body, the yearning for freedom and happiness, a psychological relaxation of the self or escape from reality. Nowadays, with the help of high-tech, human fantasies about time

and space can be presented to people in the form of images.

The most important contribution of high-tech to the film itself is to magnify the space-time characteristics of the film, so that the film can enter a highly free space-time kingdom. With the help of high technology, digital movies make dreams a dream. We can go back to the past and go to the future. We can communicate with aliens anytime and anywhere. Aliens can also come to Earth to save the earth and so on. For example, in Transformers, the space life organism automobiles and so on come to Earth to rescue human beings. The image wonder created by high-tech brings people into the incredible and beautiful digital image.

On the basis of the space-time performance of traditional movies, with the help of high-tech, time solidifies, and space is displayed in many dimensions. This kind of display is different from the traditional space-time performance in that the whole process is completed with a lens. Digital technology breaks through the barrier of space-time performance in movies, and takes time and space as a separate dimension to express, bringing new space-time experience to audiences.

### **3.3 Effects on Spiritual Culture.**

The effect of digital technology can not be the whole film itself. In addition to creating visual wonders, the purpose of digital image still points to the inner world and spiritual world of human beings. When viewers appreciate the video works, they hope to get a kind of spiritual pleasure and sensory enjoyment.

Movies have a great influence on people. For different types of movies, people of different ages have different interests and influences. Movies are of great help to people. They can enrich people's thinking, strengthen their will, improve people's accomplishment and improve people's aesthetic outlook. Such types of films as patriotic films, emotional films, historical films, educational films and so on can have a positive impact on people. For example, "Outstanding encirclement", "Years of Burning Passion", "Bright Sword" and so on are historical patriotic films, which make people understand history, improve patriotism, inspire people's behavior, touch people's kindness and love, and promote friendly relations between people. For example, Jia Zhangke's Xiaowu and Pentium Age can not only improve the audience's sentiment, but also inspire and educate people, and beautify people's soul.

In order to get rid of tension, pain or boredom and enjoy a pleasant, relaxed and free aesthetic enjoyment, people also hope to enter a state of imagination beyond themselves and reality by enjoying video works, and temporarily throw away the real world. Everything in the world enables emotion to be regulated, mood to be relaxed, spirit to be inspired, personality to be enriched and enhanced.

Although the form of digital film has changed a lot compared with the traditional film film film, the spirit of the film still takes human life and imagination as the core of performance. Spiritual culture is not only the problem of human mental state, but also should pay attention to reality, face reality, human survival and real life in the image. The relationship between people in life.

### **3.4 More Possibilities.**

Digital technology gives directors a broader imagination space, greatly increasing the director's ability to create films. Digital technology creates a seemingly omnipotent and colorful audio-visual world. When digital technology makes unimaginable pictures no longer just imagination, for the audience, movies or movies, all the changes brought about by technology are just a means of expression of movies. With the extensive application of digital technology in the image, the most direct and sincere feeling to the audience is its great enrichment of the film language and the new creation of the film time and space.

It is omnipotent, it will not become possible, then it will also have more possibilities, which will be possible in people's constant exploration.

## **4. Conclusion**

Nowadays, the ubiquity of digital technology is obvious and undoubted. We don't need to think

too much to enumerate the facts to prove that digital technology has changed the world of movies. The pictures created by digital technology can often better simulate or even surpass reality, greatly expanding the performance space of film art.

Digital technology is a means of expression in movies. It can create ever-changing image wonders for us, give us unexpected audio-visual enjoyment, enrich our spiritual world, guide us to think, tell us what is right and what is wrong. It digitizes the whole world, makes people experience the exquisite high-tech technology, and understands the progress and change of film art and technology.

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