

Research on Technology and Art in Digital Image

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Abstract: With the development of new media and the popularity of the Internet, the following network culture is increasingly affecting the lives of young people. With the rapid development of digital image, the mountain has become popular with the help of the Internet not only in the field of design, but also in the digital media. People's mode of thinking plays an important role in life.

With the advent of digitalization, images have also ushered in today's digital. The production, post-processing and storage of images can be digitized. It is unlike the traditional rubber-covered. In contrast, digital images do have advantages that traditional methods can not achieve, but there are also some constraints. In the era of digital images, there are some restrictions on the development of communication problems, such as the size of storage, the speed of transmission.

1. The status quo of digital image

At present, the main manifestation of science and technology is digital technology, and the realm of art is mainly digital art. The representation of digitization is the basis of computer science, because the operation of the computer is done with digital. In order to use digital to create image art, we must first transform the image information into digital information through computer, so that the computer can process and create art. This is the process of image digitization.

With the progress and discovery of the times, digital image art has become more and more popular. Digital images even occupy all kinds of art industries and the fields of arts. Digital image art has also rapidly entered a variety of visual industries, such as traditional photography, soft packaging in the production of pictures, which have been transformed into digital images. Through digital transmission and digital art processing, images have more possibilities.

1.1 Inheritance and development of digital image technology

Digital image technology mainly relies on the computer, and it is very advantageous when compared with traditional technology in visual communication, artistic effect, data transmission and other aspects. Digital image technology provides new possibilities for not only artistic design, but also new creative tools, as well as new development in thinking, design and forms. But it can be seen that no matter how many new developments and new possibilities, they are reformed and innovated based on the traditional development and in combination with the digital characteristics, which is the inheritance and development of tradition. In this process, the artistic concepts continue to innovate, the form is constantly changing, thus forming a new digital image art.

1.2 Challenge to traditional art of digital image technology

Because of the reform of creative tools, digital image art has the shadow of traditional image art and the cultural background of traditional art, but it is still different from traditional image art technology. For example, the computer can not only simulate the various techniques and artistic designs when people draw pictures. It is also possible to add a variety of new tools for creation to enrich the creative works. This makes some digital image design works in a very different form from traditional art works. It is also very convenient to modify and edit. This will also make writing easier and more convenient. The technology in digital image art is the inheritance and development

of the tradition, but it has its own unique charm of the times.

2. Technology in digital image art

2.1 Characteristics of digital image art

The emergence of digital image art represents the emergence of a new kind of carrier, It also indicates that the image art will enter a new era. Digital image art is a product of science and technology. It is more convenient and fast for its culture and art in the computer age. It is the result of far-reaching impression that computers enter the society. The works created by computers prove the unlimited potential of computers in the use of the times, and help more artists to understand the art.

With the development of computer network, the characteristics of digital image art are not static. The most important feature is its infinite variability. With the emergence of various new forms of art, the inspiration and expression of the source of artistic creation will be varied and the probability of repetition is extremely low. Because of the emergence of digitalization, all kinds of creative tools have also flourished, stimulating the infinite possibilities of human beings. Everyone can be an artist, and everyone's art has something to be praised. This is the culmination of digital image art. Although it takes a long time, it will be the inevitable result of the development of history.

2.2 Foundation of the development of digital image art

Mass communication is the characteristic of digital image art. Condensation is also very important. In terms of the design principle of digital image art, it is as simple and clear as geometry. Its image is not repeatable and is made up of multiple or identical elements. The art of digital image is to raise people's senses and senses to a new level. Besides, due to its personality, timely downloading and virtualization, it constantly influences the public with intuitive pictures, constructs popular culture, and changes the public's aesthetic. It also changes people's view of art, making art closer to the ordinary people and getting closer to the life of the masses.

In the past, art was a matter of high-quality and high-level of culture. Without high artistic accomplishment and cultural level, it is difficult to construct artistic images and other creations. With the development of computer, digital image art replaces the techniques in art creation with high-level computer technology, making art creation simple and convenient. If you don't need to train for long time and accumulate skills, you can create high-level works.

2.3 New advantages of digital image technology

With the development of computers, virtual reality technology has gradually matured. It is the interactive multimedia technology that computer creates and experiences virtual world through digital operation, logical reasoning. Virtual reality makes the virtual world invisible and lets you feel the virtual reality through vision and hearing. With the help of computer technology, a bunch of digital things into pictures, allowing you to see and understand more intuitively. It is no longer a bunch of digital formulas that people can not understand. Even an elderly person can watch the pictures easily and intuitively.

Before the development and popularization of digital image technology, the traditional way of transmitting information was that there was no feedback process from publication to transmission to acceptance. That is, it has released the image, and you have seen the image. Only you yourself know whether you like images, the publishers do not understand it. There is no two-way communication between the publisher and the recipient, and this technology can achieve two-way communication. The author of the image creation can communicate with each other and appreciate each other. It not only satisfies the author's pride in creation, but also allows the author to modify the work to perfection according to the opinions of his appreciators. Communication can make people progress faster.

3. Artistic exploration of digital images

3.1 Future development of digital image art

It is foreseeable that digital image art will be the mainstream of future art development. Because of the popularity of computers, people rely more and more on computers. Few people will study and practice the traditional arts. Moreover, the demand for digital images in social development is increasing, and it has to adapt to digital environment. In the society, we also gradually enhance our sense of digitalization, and we are more accustomed to digitalization. This concept will also have a certain impact on traditional art. In the future, digital images will increasingly occupy the mainstream position, and traditional art will slowly fade away from the stage of history, and will be forgotten by others. Digital image art will win the hearts of the public. It makes full use of the reversibility of technology. It also reduces the irreversible technical creation in traditional art creation, and gives art more possibilities.

3.2 Deep application of digital image art

At present, the characteristics of digital image art are more interactive and instantaneous. It needs great courage and impetus to redefine it. It will take a long time to realize the virtual interactive reality. The application of multimedia techniques and tools should be integrated into the art category to realize the virtual interactive reality. And it is still a long process to be recognized by the public. Since the 1980s, new media art has gradually gained public recognition after entering digital art. And under their leadership, digital image art has become popular rapidly, and digital image art is also popular on the Internet. Digital photography, digital images, digital film and television have also slowly entered into the public, and are increasingly familiar with and used by the public. Art is for people not to be high above, it is getting closer and closer to people's lives. Art comes from life, and life embodies art everywhere.

4. Conclusion

The development of technology and art of digital image art has brought the sense of distance between art and people closer. Only art originating from life and art derived from common people is worth appreciating, reflecting and collecting. Art itself comes from life, but in the era of network underdevelopment and technology underdevelopment, people only care about eating and clothing warm, no time to understand the art creation. With the development of the times and the advent of digital art, people have solved the basic problem of food and clothing, and naturally put their eyes on art. Digital art has gradually changed people's life, aesthetic and interpersonal communication. In the virtual world of the network, art is not a fixed form, but a new form that is constantly changing and constantly reassembling.

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