Picture Analysis of Picture Composition in TV Camera

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ABSTRACT. With the continuous development of social development, various emerging technologies have been continuously innovated and researched and developed. Television media technology has also made great progress with the development of information technology. The art of picture composition is closely related to the final rendering quality of TV pictures. Therefore, this paper mainly analyzes the picture composition art in TV camera, and proposes that it is necessary to pay attention to the dynamic combination of picture composition, coordinate and balance, and highlight the main body, so as to bring high quality and rich to the audience. Visual arts sensory enjoyment.

KEYWORDS: TV camera; picture; composition art

1. Introduction

As an art, TV camera should be properly planned and post-processed, so that its picture is in line with the preferences of the majority of TV audiences^[1]. Especially looking at the current society, TV viewers as a huge group, both young and old, it is an important job to make the picture feel young and old, and it is also a difficult job. Therefore, this is more about TV camera technology. Picture composition. TV picture composition art is the core and most basic part of TV camera technology. It is like building a house.^[2] Every brick and every tile is an important cornerstone for building a high-rise building. The lack of a brick can cause great damage. The same is true for TV picture composition technology. How to realize the reasonable layout of characters and scenes in a limited space to achieve the maximum value of a frame of art work. In this paper, the picture composition art in TV camera is analyzed.

2. TV camera composition features

2.1 limited

As we all know, TV as an entertainment electronic device, its viewing area is certain, that is, the screen area of the TV is fixed, there are certain restrictions^[3], too large or too small picture is not directly Put it on the TV. And the type of TV causes the screen area to have no fixed standard, and the size is a major difficulty for TV camera composition. To make the picture acceptable to all types of screens, this is the limitation of TV composition.

2.2 coherence

The ultimate goal of TV camera technology applications is to ensure that the viewing range is fully displayed on the TV. In other words, the picture composition of the TV camera needs to take into account the TV frame^[4]. At present, most of the TV frames are 16:9, and this ratio of frames can provide a higher audience realism for TV viewers. In general, TV camera technology is applied to multiple camera images when presenting TV works. In the art of picture composition, these pictures need to be coherent, so as to ensure that the TV picture reflects the same subject, presenting a complete plot for the TV viewer, and realizing the integrity and integrity of the TV program.

2.3 sports

In TV camera technology, the TV screen is affected by the subject and the camera's motion. It can be said that the sportiness runs through the whole picture composition art^[5]. This kind of sportiness can reflect the photographer's thoughts and feelings. Through the movement change, it presents a layered and three-dimensional TV picture, which brings different visual feelings to the audience. Therefore, we need to connect a single frame of delicate images to form a whole of a motion segment, and then make the video of the motion through a series of post-processing to make a TV program. The eye of the TV audience is often followed by the subject in the picture, which is also a special emphasis on sportiness. For example^[6], our well-known program "Happy Camp" has a lot of stars and hosts. The cameraman doesn't put all the people in a frame from start to finish, and often

only shoots one person or several people. Highlight the camera theme among them. This is also the role of our main body of sports.

3. The basic form of camera composition

3.1 static

According to different shooting angles, the composition can be divided into two basic forms: static composition and dynamic composition. Static motion pictures are reference objects that use a fixed camera and a fixed focal length to represent static. Static composition can clearly grasp the details of the subject, and it has the same effect as painting.

3.2 Dynamic

Dynamic composition is a form of expression unique to TV cameras. It refers to the fact that the camera or the object being photographed is in a state of motion. The camera is required to capture continuous movements, which is a form of continuous change. This is very different from painting.

4. TV camera picture composition art analysis

4.1 Static Composition Principle

(1) In the composition, one of the most important principles we must follow is that the subject is distinct. We should properly handle the relationship between the subject and the foil, so that the primary and secondary points are clear and detailed. In the actual operation process, we can take the main body to the core position in the form of a lens, giving the public the maximum visual direct vision; or taking the special expressions such as close-ups and close-ups to present the subject in front of the audience. Give the audience a visual impact. Alternatively, we can also take an indirect way to indirectly illuminate the importance of the subject through the rendering of the environment.

- (2) Be flexible in mastering the lines. In TV camera, the line mainly indicates the dividing line between the dark dividing line and the image. The use of lines can play a very important role in the ideas to be conveyed. For example, the horizontal lines will give people a magnificent and magnificent momentum, so in the vast grasslands, mountains and lakes, etc., the horizontal lines are used; the vertical lines give a longitudinal extension. It reflects a kind of slender, vertical and tall things.
- (3) The magical effect of modeling. In order to facilitate the TV camera to optimize the processing of the picture structure, we can divide the picture composition into the following categories according to the composition style of the TV work. The first is the "triangular composition" method. Triangle composition is also called "pyramid" composition. This composition tends to have flexible and stable characteristics, giving a feeling of stability. The second is the well-character composition method, also known as the Jiugong lattice pattern method. According to the golden ratio division, it is the most scientific and most artistic form of composition. This composition is characterized by its operability and practicality. We can make full use of the intersection of the tic-tac-toe to highlight the distinct position of the subject, and the picture will be more balanced, creating a perfect visual feast. The third is the "S"-shaped composition method. The "S" symbol reflects a graceful feeling. It is like a young girl with a good figure. In order to show a woman's slender and good body shape, we often adopt the "S"-shaped composition method, and the "S" shape usually gives a beautiful psychological feeling. Fourth, the C-shaped composition method. The composition in the picture is similar to the "C-shape", which is mostly used for river shooting. This composition is characterized by soft lines and smooth lines, which is suitable for the shooting of lyrical pictures such as small bridges.

4.2 Dynamic Composition Principle

(1) The internal motion composition method of the picture. As the name suggests, it refers to the fixed camera and focal length, which reflects the agility of the work through the moving objects. In this kind of camera composition, we should first consider the motion form of the subject, and then rationally layout, and complete the dynamic picture of the subject in the box. For example, the train that whizzes past,

the team that is being reviewed. If you are shooting a character, you must master the scope of the picture. And the beauty of the picture.

- (2) External motion composition of the screen. It means that the subject remains stationary, but is stretched by the external lens of the screen. The composition of the picture is reflected by the stretching of the lens. For example, when shooting people, our TV camera staff must be experienced, to achieve "stable", "quasi", "squat", the action stretch should be clean and neat, can not drag the water, accurately aim at the person to be presented or Scenery.
- (3) Comprehensive use of composition. The combination of the subject and other unimportant elements combined with a reasonable composition is our overall movement. With our picture integrity. Only a natural coherent movement can be called the whole. Take the human body as an example. A person with a short leg and a short leg walks awkwardly. This is its lack of coordination and no withdrawal from the whole. A good TV camera is like a healthy person, making people look comfortable and natural at first glance. In addition, the color configuration should also conform to the aesthetics of people, and reasonably construct a color picture, requiring the camera personnel to adjust the color luminosity according to the environment and the scene, adjust the angle, and bring people a comfortable visual enjoyment. In the later stage, we must also handle the color, match the balance between colors, and ensure the color matching and structural balance in the picture composition art.

5. Conclusion

All in all, TV camera technology is for the people to serve, and to make people happy. Therefore, it should serve the people as the center. It is necessary to adhere to the compositional art design combining dynamic composition and static composition, and to make TV composition as suitable as possible for all ages. Let more people enjoy the beauty concept and viewpoint of TV camera technology composition, and develop into a better composition art design in the future.

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