Research on the Development and Trends of Dance Video in the New Era

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Abstract: Dance video is an innovative form that integrates dance art with imaging technology, enriching the expression of dance through techniques such as photography, videography, and special effects. This paper explores the definition, current development, artistic expression, social impact, and future trends of dance video. Through narrative construction, visual impact, emotional resonance, technological innovation, and cultural expression, dance video enhances the narrative and visual appeal of dance. In the future, dance video will focus more on the integration of virtual reality (VR) and augmented reality (AR) technologies. However, it also faces challenges such as rapid technological updates, maintaining artistic originality, and balancing commercial interests.

Keywords: Dance video; Artistic expression; Digital technology; Development trends

1. Definition of dance video

Dance is the art of the human body, using movement to create artistic imagery. It has coexisted with literature, music, and visual arts since ancient times, making it one of the earliest art forms in human history. Dance is often performed on stage, showcasing its unique beauty, and is thus referred to as stage art. Dance video refers to the recording of dance performances through photography, videography, and other technological means, utilizing advanced techniques and creative methods to present and reproduce dance. With dance as its core and imaging technology as its medium, dance video creates a new art form. It not only includes real-time recordings of stage performances but also incorporates post-production effects, editing, and multi-angle shooting, making dance works visually richer and more diverse.

2. Current development of dance video

As an interdisciplinary field, dance video has attracted increasing scholarly attention. With the advancement of digital technology, dance video has gradually gained in prominence in China. Academic research primarily

focuses on the analysis of works and technology, as well as the integration of dance art with modern imaging technology. In contrast, studies on the current status and history of dance video development are relatively scarce. Nevertheless, some art and dance institutions in China have begun offering related courses and programs, which typically include dance choreography, video production, and post-production editing, fostering the cultivation of creative and technical talent in dance video. Dance groups are also promoting their works to a broader audience through online platforms, television programs, and films. Independent artists and studios are exploring the fusion of traditional Chinese culture with modern imaging technology, creating dance video works with Chinese characteristics, some of which have gained international recognition and acclaim [1].

Internationally, dance video has a longer history and a more mature environment for research and development. Foreign academic circles place great emphasis on dance video, with many universities and research institutions offering related programs and courses. Scholars abroad focus on the aesthetics, technology, narrative structure, and cross-media expression of dance video, forming a rich theoretical framework. In terms of technological application, foreign countries are at the forefront, continuously exploring new techniques such as high dynamic range (HDR) photography, motion capture, real-time rendering, augmented reality (AR), and virtual reality (VR) to enhance the expressiveness and immersive quality of dance video. Renowned dance companies such as the Royal Ballet in the UK and the New York City Ballet in the US have presented their works to global audiences through high-definition recordings, 3D technology, and VR.

3. Artistic expression of dance video

The artistic style of dance video is diverse and can be categorized based on different creative concepts and technical approaches. For example, some dance videos aim to preserve the authenticity of stage performances, using multi-camera setups and precise editing to replicate the live experience. Others emphasize narrative and visual impact, employing special effects and animation to create surreal visual experiences. These artistic expressions are unique and captivating, but they are not isolated; rather, they intertwine and influence each other within specific dance video works, collectively forming the rich artistic world of dance video. Below are several major forms of artistic expression:

3.1. Narrative construction: Integration of video narrative and dance

The fusion of video language and dance is like delicate threads plucking the heartstrings of the audience. Dance video uses video language to tell stories, thereby enhancing the narrative quality of dance works. For instance, the film *Black Swan* combines cinematic narrative techniques with dance performance to tell a story about the pursuit of perfection and inner struggle. This allows the audience to appreciate the dance while also feeling the emotional and psychological changes of the characters, showcasing the inherent tension of dance art and the psychological evolution of the characters.

3.2. Visual impact: Special effects, color, and composition innovation

Visual impact is the manifestation of special effects, color, and composition innovation. Dance video creates strong visual impact through visual elements such as special effects, color, and composition. The digital dance project jointly launched by Cloud Gate Dance Theatre and Tao Dance Theater includes two digital dance works: *Multiplication* and *12*. These digital dance works, with their dreamlike visual effects, transport the audience into a surreal artistic space. Here, the vibrant colors and intricate compositions create a powerful visual impact, offering the audience a unique visual and sensory experience, allowing them to feel the infinite possibilities of

dance video in an immersive setting.

3.3. Emotional resonance: Expression and atmosphere transmission

Emotional resonance focuses on the transmission of expression, movement, and mood. Dance video captures the expressions, movements, and body language of dancers to convey deep emotions and moods. The documentary *Dancing Life* uses 3D technology to capture the dynamics of dancers, showcasing their passion for dance and insights into life. Through the dancers' expressions and movements, the audience can deeply feel the emotional power embodied in the dance. Moreover, the use of color in video is an important technique for creating mood, as it can establish atmosphere, enhance emotional contrast, and evoke psychological responses. In his book *On Kinesthesia*, Fairer discusses his experimental results, stating that under colored light, muscle elasticity can increase, and blood circulation can accelerate, with the gradient of increase being "smallest for blue, followed by green, yellow, orange, and red in ascending order." Different colors evoke different psychological and emotional responses in people [2].

3.4. Technological innovation: Virtual reality and interactive experience

Technological innovation explores the infinite possibilities of virtual reality and interactive experiences. Dance video uses new technologies such as virtual reality and augmented reality to provide audiences with entirely new viewing experiences. For example, dancer Yang Liping uses three-dimensional projection technology in her peacock dance to achieve synchronous choreography while comprehensively understanding stage elements such as set design, formations, and positioning, ultimately presenting the entire peacock dance clearly and vividly, delighting the audience. Additionally, using VR technology, audiences can watch dance performances from 360 degrees and even "enter" the dance scene to interact with the dancers. This immersive experience not only greatly enriches the audience's sensory enjoyment but also opens up new realms for the artistic expression of dance video.

3.5. Cultural expression: Fusion of traditional elements and modern technology

Cultural expression harmonizes traditional elements with modern technology. Dance video combines specific cultural symbols and elements to showcase unique cultural connotations and artistic styles. For example, the Chinese dance video *Thousand-Hand Guanyin* integrates traditional Chinese culture with modern imaging technology, demonstrating the charm of Eastern aesthetics.

4. Social impact of dance video

Dance video is not only a display of dance art but also an important platform for cultural heritage and exchange. Through modern technology, dance video innovates the expression of traditional culture, awakening cultural confidence and promoting the popularization and development of dance education.

4.1. Agile body, exquisite technique

The body is always the ultimate medium for dance expression. The development of dance video, through the integration of various media devices, continuously sparks new interactions between the body and video, thereby meeting the aesthetic demands of dance video. As the main vehicle for expressing content and emotions in dance, the presentation of the body determines the quality of the work [3]. The dance video presentation of *The Four Seasons* under the Belen dance form, with its vivid visual presentation, provides a model of bodily

expression for dance learners, helping them improve coordination and movement precision [4].

4.2. Visual feast, aesthetic enlightenment

Dance video provides audiences and learners with rich aesthetic experiences [5]. For example, the 2022 CCTV Spring Festival Gala dance *The Journey of a Legendary Landscape Painting* immersed viewers in a poetic landscape through the fusion of classical, modern, and folk dance forms [6].

4.3. Cultural heritage, multicultural integration

Dance video innovates the expression of traditional culture through modern technology [7]. For instance, the *Night Banquet in Tang Dynasty Palace* draws inspiration from Tang Dynasty cultural relics, showcasing the charm of traditional Chinese culture through advanced imaging techniques [8].

5. Development trends and challenges of dance video

In the future, dance video will focus more on the integration and innovation of technologies such as VR, AR, and artificial intelligence (AI), providing audiences with more immersive experiences [9]. At the same time, dance video will adopt more personalized and interactive creative approaches, expanding its cross-media narrative capabilities. However, dance video also faces challenges such as rapid technological updates, maintaining artistic originality, and balancing commercial interests [10].

6. Conclusion

As an innovative form that integrates dance art with imaging technology, dance video has transformed traditional dance expression, combining virtual and real elements, as well as art and technology. The future of dance video is full of opportunities and challenges. Only through continuous innovation and proactive adaptation can dance video shine brightly at the intersection of art and technology, opening new horizons for the dissemination and development of dance art [11].

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