

Technical and technical aspects used to monitor folk festivals using 4K cameras technology

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Abstract:

The theme of popular celebrations was monitored by field researchers interested in the subjects of folklore who employ the modern imaging techniques, which produced sophisticated cameras with international standards, because of the huge technological development day after day, and we found that one of the latest technologies that can monitor the theme of popular celebrations in the form and method and artistic, aesthetic aspects of the popular celebrations in general with the use of special and important technology, which is 4K, with its distinctive visual results and high quality image showing the size of the picture that has been taken during festivals as a model for one of the most popular celebrations held in the Arab countries these days, where the search for history and its complexity and monitoring the elements of folklore found in our society through these festivals that feature and show the forms of heritage in multiple forms to highlight the cultures and even integrate them within our Arab societies as a kind of autism and the entry of Western countries as a kind of benefit from different cultures. The goal is to preserve and document the heritage in a clear manner, all through the use of the modern technologies of the image provided by this new technique as the image solved the vacuum of language and expressed it and showed its development and stood on aspects that highlight the aesthetics of the subject which it expressed.

We will review the elements of the subject in a number of points:

- The technical aspects used to monitor the festivals of the peoples, the role of the field researcher in monitoring and documenting the elements of the folklore, the festivals of the people and how they exist and the extent of its spread and activating it.

4K cameras and the possibility of employing them and use them to portray festivals topics . The process of monitoring the festivals of the people is subjected to a set of bases and rules that must be considered by whoever interested in that topic as a way to collect and monitor and to present the idea in an optimal manner and using the latest techniques of photography to express aesthetic, technical and expressive values specific to the subject, and to read the criteria for evaluation of technical performance. Some of the points: an increase in the sense of depth in the picture, the efficiency of the process of this creative process because the photograph is an important expression because of the registry value of the image and some believe in the important issue of the image in the field of sociology and humanism. The field researcher is subjected to a set of foundations and criteria that must be achieved to accomplish his duties in collecting the material assigned to it and presented in an optimal manner, some of these criteria :

- Ability to deal with reporters in all fields in such a way that makes news less uncomfortable and grant a sense of trust while giving information.
- Full knowledge of the techniques used and the use of the collection of scientific material.
- A good choice of place and time for the field researcher. *

- Responsibility and determination by the field researcher, which is important to be characterized by the researcher .*
- The work of the field researcher is no different than two, it is the one who takes the lead in a decisive manner.
 - No one should interfere in the work of the field researcher, because any intervention or argument with the field researcher in the wrong place will cause a great number of problems and confusion.
 - The researcher should be interested in looking through the camera, and must be concerned with details such as the selection of the shot and the configuration and angles and lenses of the photographer.
 - Organization with the field researcher is a process required to ensure the workflow.
 - The field researcher must have a good choice of the tasks that must be available in the work of the field researcher.
 - The field researcher must be modest and avoid vanity and arrogance, and be prepared to accept criticism without anger or boredom.
 - The field researcher must be a person who is present, intuitive, mind-boggling, and connects ideas.
 - The field researcher must have a personal desire to delve into the subject of his research.
 - The field researcher must have the ability to choose the subject of his research to suit his abilities.
 - The field researcher must be committed to good planning and time period to complete the research.
 - To devote sufficient time to reading, understanding and deepening, and to work on learning all the new in the subject of his research.
 - To begin his research from easy to difficult, from simple to complex, and from apparent to implicit .
 - Be patient and careful, should not be tired and should review the sources carefully, until it becomes clear, and reach the intended purpose.
 - To enter into his research a dissertation on his own opinions and personal animations, and look at the subject in a non-biased way.
 - To be broad-minded, in the sense that he accepts the thought of the other, not to fan one idea, and lie and miss all other ideas.
 - To stay away from opinions that have no evidence, and do not be fooled by many who say an idea or their reputation; because the right is independent of the few and many, and fame does not mean infallibility from the error.
 - Have the scientific honesty represented in the accuracy of the transfer of text from others, and express the expression of its content, without confusion or distortion, or increase or decrease, contrary to the opinion of the origin.
 - To present the results of his research as they are, without any falsification of results.

A set of advantages were then derived for using a 4K camera.

- 1- The coolest shots on a 1080p screen with a 4K camera.
- 2- High quality scenes with 4K accurately photographed.
- 3- Stabilize and install scene in photography.
- 4- Free to select zoom or add effects in fixed scenes.
- 5- Use the frame for photography: 4K video frame is approximately 8.3 megapixels, which corresponds to the capture of a wonderful picture that combines all angles to correspond with social networking sites or to print different sizes of images, while recording 1080 video.

5- I use the frame for photography: a 4k video frame is equivalent to approximately 8.3 mega pixels, which corresponds to taking a great picture that brings together all angles to be compatible with social networking sites or to print varying sizes of photos, but when recording a 1080p video, the resolution is not enough to separate a frame with accuracy and high quality in photography because of the lack of flexibility of 1080p shooting, but 4K shooting provides the user with a frame with the highest quality of images, as each shot is considered as a single image of the highest quality and best display, without the need to take the photo at the right time. Simply press record and then compile your desired photo shots for later, the phone camera may not be a replacement for professional cameras, but it is great for capturing high quality photos with the ability to edit through Photoshop, or take videos and cut special photos from it, there are many advantages that you will have through a 4k video camera, with a greater advantage in the ability to move your phone's camera anywhere.

Results:

- 1- Employment of modern technologies greatly serves folklore topics in a large number of ways.
- 2- People's festivals bring to us many cultural aspects that we must stand by and deal with in many scientific researches.
- 3- We cannot separate one science from the other, as the use of the latest cameras in the field of field research will serve the technical process more than wonderfully.
- 4- 4K cameras have many features that make them able to deal with folklore topics in terms of documentation accurately and easily.
- 4- It is the responsibility of the field researcher to be insignificant, as he does not review his field material through interviews, observations and lived reality only, but uses the latest technologies to document his scientific material in a more than wonderful technical way.

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