What is claimed is:

1. An image quality evaluating method, comprising:

generating an image quality evaluating model by using image samples; and

performing an evaluating operation on an image to be evaluated by using the image quality evaluating model;

wherein the image samples and the image to be evaluated are text images, and the generating an image quality evaluating model by using image samples comprises:

labeling reference quality index values of the image samples, and the reference quality index values of the image samples being recognized by OCR;

generating a neural network structure according to the image samples; and

performing an iterative training operation, by using the image samples, on hierarchical parameters of the neural network structure to generate the image quality evaluating model.

2. The image quality evaluating method of claim 1, wherein the performing an iterative training operation, by using the image samples, on hierarchical parameters of the neural network structure to generate the image quality evaluating model comprises:

inputting the image samples into the neural network structure according to training parameters;

calculating difference between output results of a Loss layer in the neural network structure and the reference quality index values;

updating the hierarchical parameters of the neural network structure by using the difference, and iteratively recalculating the difference according to the updated neural network structure; and

generating the image quality evaluating model according to the neural network structure when the difference which is iteratively calculated reaches a preset threshold.

3. The image quality evaluating method of claim 2, wherein the training parameters comprise at least one of a total number of iterations, the sample number of per iteration, a test interval, a learning rate, a weight of each layer of an initialed neural network structure, a bias term, and learning rates of the bias term and the weight of each layer of the initialed neural network structure.

4. The image quality evaluating method of any one of claims 1 to 3, wherein the neural network structure comprises a Convolution layer, an Activiation layer and a Loss layer.

5. The image quality evaluating method of claim 4, wherein the Activiation layer comprises a ReLU layer and a Sigmoid layer.

6. The image quality evaluating method of claim 5, wherein a hierarchical order in the neural network structure is the Convolution layer, the ReLU layer, the Convolution layer, the ReLU layer, the Convolution layer, the ReLU layer, the Sigmoid layer and the Loss layer.

7. The image quality evaluating method of claim 5, wherein the neural network structure further comprises a Pooling layer, a Dropout layer and a SPP layer.

8. The image quality evaluating method of claim 7, wherein a hierarchical order in the neural network structure is the Convolution layer, the ReLU layer, the Pooling layer, the Convolution layer, the ReLU layer, the Pooling layer, the Convolution layer, the ReLU layer, the Pooling layer, the Convolution layer, the ReLU layer, the Dropout layer, the Convolution layer, the SPP layer, the Sigmoid layer and the Loss layer.

9. The image quality evaluating method of any one of claims 4 to 8, wherein hierarchical parameters of the Convolution layer comprise the number of convolution kernels, a size of the convolution kernel, a sliding step size of a convolution window, and a padding edge pixel value.

10. The image quality evaluating method of claim 7 or 8, wherein hierarchical parameters of the Pooling layer comprise a sampling rule, a size of a sampling window, and a sliding step size of the sampling window.

11. The image quality evaluating method of claim 7 or 8, wherein a hierarchical parameter of the Dropout layer comprises a dropout rate.

12. The image quality evaluating method of claim 7 or 8, wherein hierarchical parameters of the SPP layer comprise a sampling rule and the number of pyramid layers.

13. An image quality evaluating system, comprising an image quality evaluating model generating module configured to generate an image quality evaluating model by using image samples; and

an evaluating model configured to perform an evaluating operation on an image to be evaluated by using the image quality evaluating model;

wherein the image samples and the image to be evaluated are text images, and the image quality evaluating model generating module comprises:

a labeling unit configured to label reference quality index values of the image samples, and the reference quality index values of the image samples being recognized by

OCR;

a neural network structure generating unit configured to generate a neural network structure according to the image samples; and

an iterative training unit configured to perform an iterative training operation, by using the image samples, on hierarchical parameters of the neural network structure to generate the image quality evaluating model.

14. The image quality evaluating system of claim 13, wherein the iterative training unit is further configured to input the image samples into the neural network structure according to training parameters, and calculate difference between output results of a Loss layer in the neural network structure and the reference quality index values, and update the hierarchical parameters of the neural network structure by using the difference, and iteratively recalculate the difference according to the updated neural network structure, and generate the image quality evaluating model according to the neural network structure when the difference which is iteratively calculated reaches a preset threshold.

15. The image quality evaluating system of claim 14, wherein the training parameters comprise at least one of a total number of iterations, the sample number of per iteration, a test interval, a learning rate, a weight of each layer of an initialed neural network structure, a bias term, and learning rates of the bias term and the weight of each layer of the initialed neural network structure.

16. The image quality evaluating system of any one of claims 13 to 15, wherein the neural network structure comprises a Convolution layer, an Activiation layer and a Loss layer.

17. The image quality evaluating system of claim 16, wherein the Activiation layer comprises a ReLU layer and a Sigmoid layer.

18. The image quality evaluating system of claim 17, wherein a hierarchical order in the neural network structure is the Convolution layer, the ReLU layer, the Convolution layer, the ReLU layer, the Convolution layer, the ReLU layer, the Sigmoid layer and the Loss layer.

19. The image quality evaluating system of claim 17, wherein the neural network structure further comprises a Pooling layer, a Dropout layer and a SPP layer.

20. The image quality evaluating system of claim 19, wherein a hierarchical order in the neural network structure is the Convolution layer, the ReLU layer, the Pooling layer,

the Convolution layer, the ReLU layer, the Pooling layer, the Convolution layer, the ReLU layer, the Pooling layer, the Convolution layer, the ReLU layer, the Dropout layer, the Convolution layer, the SPP layer, the Sigmoid layer and the Loss layer.

21. The image quality evaluating system of any one of claims 16 to 20, wherein hierarchical parameters of the Convolution layer comprise the number of convolution kernels, a size of the convolution kernel, a sliding step size of a convolution window, and a padding edge pixel value.

22. The image quality evaluating system of claim 19 or 20, wherein hierarchical parameters of the Pooling layer comprise a sampling rule, a size of a sampling window, and a sliding step size of the sampling window.

23. The image quality evaluating system of claim 19 or 20, wherein a hierarchical parameter of the Dropout layer comprises a dropout rate.

24. The image quality evaluating system of claim 19 or 20, wherein hierarchical parameters of the SPP layer comprise a sampling rule and the number of pyramid layers.

25. A computer readable storage medium storing an image quality evaluating program for executing a processor to execute the image quality evaluating method according to any one of claims 1 to 12.