WHAT IS CLAIMED IS:

1. An object detection method, comprising:

detecting a face object and a body object from an image to be processed;

determining a matching relationship between the detected face object and body object; and

in response to determining that the body object matches the face object based on the matching relationship, determining the body object as a target object detected,

wherein the detecting a face object and a body object from an image to be processed comprises:

performing object detection on the image to obtain detection boxes for the face object and the body object from the image, and

wherein the method further comprises:

removing the detection box for the body object, in response to determining that there is no face object in the image matching the body object based on the matching relationship.

2. The method of claim 1, further comprising:

determining the body object as the detected target object, in response to determining that there is no face object in the image matching the body object based on the matching relationship, and the body object being located in a preset edge area of the image.

3. The method of claim 1, wherein the determining a matching relationship between

the detected face object and body object comprises:

determining position information and/or visual information of the face object and the body object according to detection results for the face object and the body object; and

determining the matching relationship between the face object and the body object according to the position information and/or the visual information.

4. The method of claim 3, wherein the position information comprises position information of the detection boxes;

the determining the matching relationship between the face object and the body object according to the position information and/or the visual information comprises:

for each face object, determining the detection box for the body object that satisfies a preset position overlapping relationship with the detection box for the face object as a target detection box, according to the position information of the detection boxes; and

determining the body object in the target detection box as the body object that matches the face object.

5. The method of claim 1, wherein the determining a matching relationship between the detected face object and body object comprises:

determining the matching relationship between the detected face object and body object, in response to the detected face object being not occluded by the detected body object and other face objects.

6. The method of claim 1, wherein the detected face object comprises at least one face

object and the detected body object comprises at least one body object,

the determining a matching relationship between the detected face object and body object comprises:

combining each of the detected face object with each of the detected body object to obtain at least one face-and-body combination, and determine the matching relationship for each of the combination.

7. The method of any of claims 1-6, wherein

the detecting a face object and a body object from an image to be processed comprises:

performing object detection on the image using an object detection network to obtain detection boxes for the face object and the body object from the image;

the determining a matching relationship between the detected face object and body object comprises:

determining the matching relationship between the detected face object and body object using a matching detection network;

and wherein, the object detection network and the matching detection network are trained by:

detecting at least one face box and at least one body box from a sample image through the object detection network to be trained;

acquiring a predicted value of a pairwise matching relationship between the detected face box and body box through the matching detection network to be trained; and

adjusting a network parameter of at least one of the object detection network and

the matching detection network, based on a difference between the predicted value and a label value of the matching relationship.

8. An object detection apparatus, comprising:

a detection processing module, configured to detect a face object and a body object from an image to be processed;

a matching processing module, configured to determine a matching relationship between the detected face object and body object; and

a target object determination module, configured to, in response to determining that the body object matches the face object based on the matching relationship, determine the body object as a target object detected,

wherein the detection processing module is further configured to perform object detection on the image to obtain detection boxes for the face object and the body object from the image, and

wherein the target object determination module is further configured to remove the detection box for the body object, in response to determining that there is no face object in the image matching the body object based on the matching relationship.

9. The apparatus of claim 8, wherein the target object determination module is further configured to determine the body object as the detected target object, in response to determining that there is no face object in the image matching the body object based on the matching relationship, and the body object being located in a preset edge area of the image.

10. The apparatus of claim 8, wherein the matching processing module is further configured to determine position information and/or visual information of the face object and the body object according to detection results for the face object and the body object; and determine the matching relationship between the face object and the body object according to the position information and/or the visual information.

11. The apparatus of claim 10, wherein the position information comprises position information of the detection boxes;

the matching processing module is further configured to:

for each face object, determine the detection box for the body object that satisfies a preset position overlapping relationship with the detection box for the face object as a target detection box, according to the position information of the detection boxes; and

determine the body object in the target detection box as the body object that matches the face object.

12. The apparatus of claim 8, wherein the matching processing module is further configured to determine the matching relationship between the detected face object and body object, in response to the detected face object being not occluded by the detected body object and other face objects.

13. The apparatus of claim 8, wherein the detected face object comprises at least one face object and the detected body object comprises at least one body object;

the matching processing module is further configured to combine each of the detected face object with each of the detected body object to obtain at least one face-

and-body combination, and determine the matching relationship for each of the combination.

14. The apparatus of any of claims 8-13, wherein

the detection processing module is further configured to perform object detection on the image using an object detection network to obtain detection boxes for the face object and the body object from the image;

the matching processing module is further configured to determine the matching relationship between the detected face object and body object using a matching detection network;

and wherein, the apparatus further comprises a network training module configured to: detect at least one face box and at least one body box from a sample image through the object detection network to be trained; acquire a predicted value of a pairwise matching relationship between the detected face box and body box through the matching detection network to be trained; and adjust a network parameter of at least one of the object detection network and the matching detection network, based on a difference between the predicted value and a label value of the matching relationship.

15. An electronic device comprising a memory and a processor, the memory is configured to store computer instructions executable on the processor, and the processor is configured to perform the method of any of claims 1-7 when executing the computer instructions.

16. A computer-readable storage medium on which a computer program is stored,

wherein the computer program, when executed by the processor, causes the processor to perform the method of any of claims 1-7.