WHAT IS CLAIMED IS:

1. A system, comprising:

at least one storage device including a set of instructions; and

at least one processor in communication with the at least one storage device, wherein when executing the set of instructions, the at least one processor is configured to cause the system to:

obtain a video of a target scene that is captured by an image capture device;

determine a target image associated with the target scene based on the video;

determine a static region associated with the target scene in the target image; and

determine a result indicating whether a traffic accident happens in the static region by processing, based on a first model, the static region associated with the target scene in the target image.

2. The system of claim 1, wherein to determine a target image associated with the target scene based on the video, the at least one processor is configured to cause the system to:

obtain, from the video, a first image;

obtain, from the video, one or more second images captured prior to the first image; and

determine the target image by processing a dynamic region associated with the target scene in the first image based on the one or more second images.

3. The system of claim 2, wherein to determine the target image by processing a dynamic region associated with the target scene in the first image based on the one or more second images, the at least one processor is configured to cause the system to:

generate a fusion result by fusing the first image and the one or more second images; and

determine the target image based on the fusion result.

4. The system of claim 2 or claim 3, wherein a time interval between two adjacent images among the one or more second images and the first image relates to a type of the target scene.

5. The system of any one of claims 1-4, wherein to determine a static region associated with the target scene in the target image, the at least one processor is configured to cause the system to:

determine one or more regions associated with one or more static objects of the target scene in the target image by processing the target image based on a second model; and

determine the static region associated with the target scene in the target image based on the one or more regions associated with the one or more static objects of the target scene in the target image.

6. The system of claim 5, wherein

the second model includes a detection model; and

the one or more regions associated with the one or more static objects of the target scene in the target image includes one or more bounding boxes of the one or more static objects determined by the detection model.

7. The system of claim 5, wherein

the second model includes a segmentation model; and

the one or more regions associated with the one or more static objects of the target scene in the target image includes one or more connected components of the one or more static objects determined by the segmentation model.

8. The system of any one of claims 5-7, wherein to determine the static region associated with the target scene in the target image based on the one or more regions associated with the one or more static objects of the target scene in the target image, the at least one processor is configured to cause the system to:

determine at least one of the one or more regions that satisfies a first condition; and

generate a combination result by combining the at least one region; and

determine the static region associated with the target scene in the target image based on the combination result.

9. The system of claim 8, wherein the first condition relates to at least one distance between the one or more regions.

10. The system of any one of claims 5-9, wherein to determine a result indicating whether a traffic accident happens in the static region by processing, based on a first model, the static region associated with the target scene in the target image, the at least one processor is configured to cause the system to:

determine a confidence value associated with the traffic accident by processing, based on the first model, the static region associated with the target scene in the target image; and

in response to determining that the confidence value satisfies a second condition, determine that the traffic accident happens in the static region.

11. The system of claim 10, wherein to determine a result indicating whether a traffic accident happens in the static region by processing, based on a first model, the static region associated with the target scene in the target image, the at least one processor is configured to cause the system to:

in response to determining that the confidence value fails to satisfy the second condition, determine whether there are at least two of the one or more regions associated with the one or more static objects in the static region that overlap; and

in response to determining that there are the at least two of the one or more regions associated with the one or more static objects in the static region that overlap, modify the confidence value associated with the traffic accident.

12. The system of claim 11, wherein

the one or more regions associated with the one or more static objects including one or more two-dimensional regions; and

to modify the confidence value associated with the traffic accident, the at least one processor is configured to cause the system to:

determine one or more three-dimensional regions associated with the one or more static objects in the static region by performing a three-dimensional transformation on the one or more two-dimensional regions associated with the one or more static objects based on one or more coordinates associated with the one or more two-dimensional regions; and

modify the confidence value associated with the traffic accident based on an overlap between the one or more three-dimensional regions associated with the one or more static objects in the static region.

13. A method implemented on a computing device having at least one processor, at least one storage medium, and a communication platform connected to a network, the method comprising:

obtaining a video of a target scene that is captured by an image capture device;

determining a target image associated with the target scene based on the video;

determining a static region associated with the target scene in the target image; and

determining a result indicating whether a traffic accident happens in the static region by processing, based on a first model, the static region associated with the target scene in the target image.

14. The method of claim 13, wherein the determining a static region associated with the target scene in the target image includes:

determining one or more regions associated with one or more static objects of the target scene in the target image by processing the target image based on a second model; and

determining the static region associated with the target scene in the target image based on the one or more regions associated with the one or more static objects of the target scene in the target image.

15. The method of claim 14, wherein

the second model includes a detection model; and

the one or more regions associated with the one or more static objects of the target scene in the target image includes one or more bounding boxes of the one or more static objects determined by the detection model.

16. The method of claim 14, wherein

the second model includes a segmentation model; and

the one or more regions associated with the one or more static objects of the target scene in the target image includes one or more connected components of the one or more static objects determined by the segmentation model.

17. The method of any one of claims 14-16, wherein the determining a result indicating whether a traffic accident happens in the static region by processing, based on a first model, the static region associated with the target scene in the target image includes:

determining a confidence value associated with the traffic accident by processing, based on the first model, the static region associated with the target scene in the target image; and

in response to determining that the confidence value satisfies a second condition, determining that the traffic accident happens in the static region.

18. The method of claim 17, wherein the determining a result indicating whether a traffic accident happens in the static region by processing, based on a first model, the static region associated with the target scene in the target image includes:

in response to determining that the confidence value fails to satisfy the second condition, determining whether there are at least two of the one or more regions associated with the one or more static objects in the static region that overlap; and

in response to determining that there are the at least two of the one or more regions associated with the one or more static objects in the static region that overlap, modifying the confidence value associated with the traffic accident.

19. The method of claim 18, wherein

the one or more regions associated with the one or more static objects including one or more two-dimensional regions; and

the modifying the confidence value associated with the traffic accident includes:

determining one or more three-dimensional regions associated with the one or more static objects in the static region by performing a three-dimensional transformation on the one or more two-dimensional regions associated with the one or more static objects based on one or more coordinates associated with the one or more two-dimensional regions; and

modifying the confidence value associated with the traffic accident based on an overlap between the one or more three-dimensional regions associated with the one or more static objects in the static region.

20. A non-transitory computer readable medium, comprising executable instructions that, when executed by at least one processor, directs the at least one processor to perform a method, the method comprising:

obtaining a video of a target scene that is captured by an image capture device;

determining a target image associated with the target scene based on the video;

determining a static region associated with the target scene in the target image; and

determining a result indicating whether a traffic accident happens in the static region by processing, based on a first model, the static region associated with the target scene in the target image.