WHAT IS CLAIMED IS:

1. A computer-readable storage medium comprising a computer program, the computer program providing a method of generating a training dataset for dart pin location identification on a dart target formed of a plurality of segments, each having a plurality of bits, when being executed in one or more processors of a computing device, the method comprising:

obtaining a dart target photographing training image in which at least one dart pin differently hits in at least one segment of the dart target in a unit of the bit, wherein a plurality of segments included in the dart target each includes a predetermined number of bits; and

assigning a label corresponding to the obtained dart target photographing training image, wherein the label includes segment location information and bit location information of the at least one hitting dart pin appearing on the obtained dart target photographing training image.

2. The computer-readable storage medium of claim 1, wherein the dart target photographing training image includes at least two images corresponding to one label, and the at least two images corresponding to the one label are generated by at least two cameras, each positioned in a predetermined direction.

3. The computer-readable storage medium of claim 1 or 2, wherein the obtaining of the dart target photographing training image in which at least one dart pin hits in the at least one segment of the dart target includes:

obtaining a first dart target photographing training image of a first dart pin

hitting on a first bit included in a first segment of the dart target; and

obtaining a second dart target photographing training image of the first dart pin hitting on a second bit included in the first segment of the dart target.

4. The computer-readable storage medium of claim 3, wherein the obtaining of the dart target photographing training image in which at least one dart pin hits in the at least one segment of the dart target further includes: obtaining a third dart target photographing training image of the first dart pin hitting on a third bit included in a second segment of the dart target.

5. The computer-readable storage medium of claim 3, wherein the obtaining of the dart target photographing training image in which at least one dart pin hits in the at least one segment of the dart target further includes: obtaining a fourth dart target photographing training image in which the first dart pin hits on the first bit included in a first segment of the dart target and a second dart pin hits on the second bit included in the first segment of the dart target.

6. The computer-readable storage medium of claim 5, further comprising:

obtaining a fifth dart target photographing training image in which the first dart pin hits on the first bit included in a first segment of the dart target and a second dart pin hits on a fourth bit included in the first segment of the dart target.

7. The computer-readable storage medium of claim 3, wherein the obtaining of the dart target photographing training image in which at least one dart pin hits in the at least one segment of the dart target further includes:

obtaining a sixth dart target photographing training image in which the first dart pin hits on the first bit included in a first segment of the dart target and a second dart pin hits on a third bit included in a second segment of the dart target.

8. The computer-readable storage medium of claim 7, further comprising:

obtaining a seventh dart target photographing training image in which the first dart pin hits on the first bit included in a first segment of the dart target and the second dart pin hits on a fifth bit included in a second segment of the dart target.

9. The computer-readable storage medium of claim 3, wherein the obtaining of the first dart target photographing training image of the first dart pin hitting on the first bit included in the first segment of the dart target includes:

obtaining the first dart target photographing training image under a first photographing environment condition; and

obtaining the first dart target photographing training image under a second photographing environment condition.

10. A method of generating a training dataset for identifying a dart pin location on a dart target formed of a plurality of segments, each having a plurality of bits, the method being performed by a computing device, the method comprising:

obtaining a dart target photographing training image in which at least one dart pin differently hits in at least one segment of the dart target in a unit of the bit; and

assigning a label corresponding to the obtained dart target photographing training image, wherein the label includes segment location information and bit location information of the at least one hitting dart pin appearing on the obtained dart target

photographing training image.

11. A computing device for generating a training dataset for identifying a dart pin location on a dart target formed of a plurality of segments, each having a plurality of bits, comprising:

a memory including computer-executable components; and

a processor for executing the computer-executable components stored in the memory,

wherein the processor obtains a dart target photographing training image in which at least one dart pin differently hits in at least one segment of the dart target in a unit of the bit, and

assigns a label corresponding to the obtained dart target photographing training image, wherein the label includes segment location information and bit location information of the at least one hitting dart pin appearing on the obtained dart target photographing training image.