CLAIMS

1. A lens mount configured to be detachably mountable to a camera mount that includes a plurality of first bayonet claw portions and a restricting portion, the lens mount comprising:

a plurality of second bayonet claw portions configured to enable engagement with the plurality of first bayonet claw portions, and a restricted portion that is restricted by the restricting portion when the lens mount is mounted to the camera mount,

wherein the plurality of second bayonet claw portions include first and second claw portions that are adjacent to the restricted portion in a circumferential direction, and an opposite side claw portion provided on an opposite side of the restricted portion with respect to the first and second claw portions in the circumferential direction, and

wherein conditional expressions:

$75° \leq \theta 10 \leq 105°$,

$75° \leq \theta 20 \leq 105°$,

$75° \leq \theta 30 \leq 105°$, and

$75° \leq \theta L \leq 105°$

are satisfied, where, in a quadrangle formed by connecting a center of the opposite side claw portion, a center of the second claw portion, a center of the first claw portion, and a center of the restricted portion, $\theta 10$ is an internal angle in which a vertex thereof is the center of the opposite side

claw portion, θ20 is an internal angle in which a vertex thereof is the center of the second claw portion, θ30 is an internal angle in which a vertex thereof is the center of the first claw portion, and θL is an internal angle in which a vertex thereof is the center of the restricted portion.

2. A lens mount configured to be detachably mountable to a camera mount that includes a plurality of first bayonet claw portions and a restricting portion, the lens mount comprising:

a plurality of second bayonet claw portions configured to enable engagement with the plurality of first bayonet claw portions, and a restricted portion that is restricted by the restricting portion when the lens mount is mounted to the camera mount,

wherein the plurality of second bayonet claw portions include first and second claw portions that are adjacent to the restricted portion in a circumferential direction, and an opposite side claw portion provided on an opposite side of the restricted portion with respect to the first and second claw portions in the circumferential direction, and

wherein conditional expressions:

$60° \leq \theta 10 \leq 100°$,

$60° \leq \theta 20 \leq 100°$,

$60° \leq \theta 30 \leq 100°$, and

$60° \leq \theta L \leq 100°$

are satisfied, where, in a quadrangle formed by connecting a center of the opposite side claw portion, a center of the second claw portion, a center of the first claw portion, and a center of the restricted portion, θ10 is an internal angle in which a vertex thereof is the center of the opposite side claw portion, θ20 is an internal angle in which a vertex thereof is the center of the second claw portion, θ30 is an internal angle in which a vertex thereof is the center of the first claw portion, and θL is an internal angle in which a vertex thereof is the center of the restricted portion.

3. The lens mount according to Claim 2, wherein conditional expressions:

$65° \leq \theta 10 \leq 100°$,

$65° \leq \theta 20 \leq 100°$,

$65° \leq \theta 30 \leq 100°$, and

$65° \leq \theta L \leq 100°$

are satisfied.

4. The lens mount according to Claim 2, wherein conditional expressions:

$70° \leq \theta 10 \leq 100°$,

$70° \leq \theta 20 \leq 100°$,

$70° \leq \theta 30 \leq 100°$, and

$70° \leq \theta L \leq 100°$

are satisfied.

5. The lens mount according to any one of Claims 1 to 4,

wherein at least one among the aforementioned θ10, θ20, θ30, and θL is in a range of 85° to 95°, inclusive.

6. The lens mount according to any one of Claims 1 to 5, wherein a conditional expression:

$$85^\circ \leq 0\theta \leq 95^\circ$$

is satisfied.

7. The lens mount according to any one of Claims 1 to 5, wherein a conditional expression:

$$90^\circ \leq \theta L \leq 95^\circ$$

is satisfied.

8. The lens mount according to anyone of Claims 1 to 7, wherein a conditional expression:

$$0.75 \leq \theta 30/\theta 20 \leq 1.25$$

is satisfied.

9. The lens mount according to any one of Claims 1 to 7, wherein a conditional expression:

$$0.85 \leq \theta 30 / \theta 20 \leq 1.15$$

is satisfied.

10. The lens mount according to any one of Claims 1 to 7, wherein a conditional expression:

$$0.95 \leq \theta 30 / \theta 20 \leq 1.05$$

is satisfied.

11. The lens mount according to any one of Claims 1 to 10,

wherein a conditional expression:

$$1.00 < \theta 1/\theta 2 \leq 1.40$$

is satisfied, where , when viewed in a direction of a central axis of the lens mount, a reference line is a line that passes through the central axis and a center of the restricted portion, θ1 is an angle formed between a line that passes through the central axis and an end of the first claw portion that is closer to the restricted portion, and the reference line, and θ2 is an angle formed between a line that passes through the central axis and an end of the second claw portion that is closer to the restricted portion, and the reference line.

12. The lens mount according to Claim 11,

wherein a conditional expression:

$$1.00 < \theta 1/ \theta 2 \leq 1.35$$

is satisfied.

13. The lens mount according to any one of Claims 1 to 12,

wherein when viewed in a direction of a central axis of the lens mount, a line that passes through the central axis and a center of the restricted portion, and the opposite claw portion overlap each other.

14. The lens mount according to any one of Claims 1 to 13,

wherein a conditional expression:

$$0.6 \leq \theta 3/\theta 4 \leq 0.9$$

is satisfied, where, when viewed in a direction of a central axis of the lens mount, a reference line is a line that passes through the central axis and a center of the restricted portion, and θ3 is an angle formed between a line that passes through an end of the opposite side claw portion that is on a side of the first claw portion, and the central axis, and the reference line, and 04 is an angle formed between a line that passes through an end of the opposite side claw portion that is on the side of the second claw portion, and the central axis, and the reference line.

15. The lens mount according to Claim 14,

wherein a conditional expression:

$$0.6 \leq \theta 3 \ / \ \theta 4 \leq 0.8$$

is satisfied.

16. The lens mount according to any one of Claims 1 to 15,

wherein conditional expressions:

$$40^0 < \theta 1 < 70^0, \text{ and}$$

$$40^0 < \theta 2 < 70^0$$

are satisfied, where , when viewed in a direction of a central axis of the lens mount, a reference line is a line that passes through the central axis and a center of the restricted portion, and θ1 is an angle formed between a line that passes through the central axis and an end of the first claw portion that is closer to the restricted portion, and the reference line, and θ2 is an angle formed between a line that passes through the central axis and an end of the second claw portion that is closer to the restricted portion, and the reference line.

17. The lens mount according to any one of Claims 1 to 16, wherein, when viewed in a direction of a central axis of the lens mount, a line that is orthogonal to a line passing through the central axis and the restricted portion, and that passes through the central axis overlaps both the first and second claw portions.

18. The lens mount according to any one of Claims 1 to 17, wherein a dimension of a cutaway between the first and second claw portions in a circumferential direction is larger than dimensions of a cutaway between the first claw portion and the opposite side claw portion, and a cutaway between the opposite claw portion and the second claw portion in the circumferential direction.

19. The lens mount according to any one of Claims 1 to 18, wherein a conditional expression:

$0.75 \leq \theta 7 / \theta 8 \leq 1.25$

is satisfied, where the plurality of first bayonet claw portions include third and fourth claw portions that are adjacent to the restricting portion in the circumferential direction, and when viewed in a direction of a central axis of the lens mount in a state of being in contact with the camera mount, a reference line is a line that passes through the central axis and a center of the restricting portion, and $\theta 7$ is a minimum value of an angle formed between a line that passes through a point that is, in a region where the first and third claw portions overlap each other, nearest to the restricting portion, and the central axis, and the reference line, and $\theta 8$ is a minimum value of an angle formed between a line that passes through a point that is, in a region where the second and fourth claw portions overlap each other, nearest to the restricting portion, and the central axis, and the reference line.

20. The lens mount according to Claim 19, wherein a conditional expression:

$0.80 \leq \theta 7 / \theta 8 \leq 1.20$

is satisfied.

21. The lens mount according to any one of Claims 1 to 20,

wherein conditional expressions:

$90^0 < \theta 7 + \theta 8 < 180^0$,

and

$90^0 < \theta 9 + \theta 8 < 180^0$

are satisfied,

where the plurality of first bayonet claw portions include third bayonet and fourth claw portions that are adjacent to the restricting portion in the circumferential direction, , and

when viewed in a direction of a central axis of the lens mount in a state of being in contact with the camera mount, a reference line is a line that passes through the central axis and a center of the restricting portion, and $\theta 7$ and $\theta 9$ are a minimum value and a maximum value of an angle formed between a line that passes through a point that is, in a region where the first and third claw portions overlap each other, nearest to the restricting portion, and the central axis, and the reference line, and $\theta 8$ is a minimum value of an angle formed between a line that passes through a point that is, in a region where the second and fourth claw portions overlap each other, nearest to the restricting portion, and the central axis, and the reference line.

22. The lens mount according to Claim 21, wherein conditional expressions:

$90° \leq \theta 7 + \theta 8 \leq 110°$, and

$140° \leq \theta 9 + \theta 8 \leq 170°$

are satisfied.

23. The lens mount according to any one of Claims 1 to 22, wherein conditional expressions:

$45° \leq \theta 7$, and

$45° \leq \theta 8$

are satisfied, where the plurality of first bayonet claw portions include third and fourth claw portions that are adjacent to the restricting portion in the circumferential direction, and

when viewed in a direction of a central axis of the lens mount in a state of being in contact with the camera mount, a reference line is a line that passes through the central axis and a center of the restricting portion, and $\theta 7$ is a minimum value of an angle formed between a line that passes through a point that is, in a region where the first and third claw portions overlap each other, nearest to the restricting portion, and the central axis, and the reference line, and $\theta 8$ is a minimum value of an angle formed between a line that passes through a point that is, in a region where the second and fourth claw portions overlap each other, nearest to the restricting portion, and the central axis, and the reference line.

24. The lens mount according to any one of Claims 1 to 23,

wherein the plurality of first bayonet claw portions include third and fourth claw portion that are adjacent to the restricting portion in a circumferential directions, and a fifth claw portion positioned on an opposite side of the restricting portion with respect to the third and fourth claw portions in the circumferential direction, and

wherein when viewed in a direction of a central axis of the lens mount in a state of being mounted to the camera mount, among sides of a hexagon connecting both ends in a region where the first and the third claw portions overlap each other, both ends in a region where the second and fourth claw portions overlap each other, and both ends in a region where the opposite side claw portion and the fifth claw portion overlap each other, the side nearest to the restricting portion is a longest side.

25. The lens mount according to any one of Claims 1 to 24, wherein the plurality of first bayonet claw portions include third and fourth claw portions that are adjacent to the restricting portion in the circumferential direction, and a fifth claw portion positioned on an opposite side of the restricting portion with respect to the third and fourth claw portions in the circumferential direction, and wherein a dimension of a cutaway between the third and fourth claw portions in the circumferential direction is larger than a dimension of a cutaway between the third

and fifth claw portions in the circumferential direction.

26. The lens mount according to any one of Claims 1 to 25, wherein the plurality of first bayonet claw portions include third and fourth claw portions that are adjacent to the restricting portion in the circumferential direction, and a fifth claw portion positioned on an opposite side of the restricting portion with respect to the third and fourth claw portions in the circumferential direction, and wherein a dimension of a cutaway between the third and fourth claw portions in the circumferential direction is larger than a dimension of a cutaway between the fourth and fifth claw portions in the circumferential direction.

27. The lens mount according to any one of Claims 1 to 26, wherein a dimension of the second claw portion in the circumferential direction is larger than a dimension of the first claw portion in the circumferential direction.

28. The lens mount according to any one of Claims 1 to 27, wherein a dimension of the second claw portion in the circumferential direction is larger than a dimension of the opposite side claw portion in the circumferential direction.

29. The lens mount according to any one of Claims 1 to 28, wherein when the lens mount is in a normal position, the second claw portion is positioned on a gravity direction side with respect to the first claw portion.

30. An accessory comprising the lens mount according to any one of Claims 1 to 29 and an optical system.

31. An accessory configured to be detachably mountable to a lens apparatus, comprising the lens mount according to any one of Claims 1 to 29.

32. A camera mount configured to be detachably mountable to the lens mount according to any one of Claims 1 to 29, comprising the plurality of first bayonet claw portions and the restricting portion.

33. An image pickup apparatus comprising the camera mount according to Claim 32 and an image pickup element.