What is claimed is:

1. A display device, comprising:

a first display panel having a first side and a first light-receiving surface;

a second display panel having a second side and a second light-receiving surface, wherein the first side is connected to the second side such that the first display panel and the second display panel form an including angle, and the first light-receiving surface and the second light-receiving surface form a light-emitting space; and

a light-emitting module disposed corresponding to the light-emitting space, wherein the light-emitting module emits an illuminating light into the light-emitting space such that a part of the illuminating light forms a first image through the first display panel, and another part of the illuminating light passes through the second display panel in the case of the illuminating light not being reflected by additional optical component and is projected onto a display surface to form a second image.

2. The display device of claim 1, wherein the light-emitting module comprises:

at least one light-emitting unit; and

a light guide plate having a first light-emitting surface and a second light-emitting surface, the first light-emitting surface corresponds to the first light-receiving surface, the second light-emitting surface corresponds to the second light-receiving surface, wherein the light-emitting unit provides the illuminating light to the light guide plate, the illuminating light is transmitted to at least one of the first light-emitting surface and the second light-emitting surface through the light guide plate.

3. The display device of claim 2, wherein the light guide plate comprises a direct type incidence surface, the direct type incidence surface faces away from the first light-receiving surface and the second light-receiving surface, the light-emitting unit provides the illuminating light to the light guide plate through the direct type incidence surface.

4. The display device of claim 3,wherein the light-emitting module comprises a plurality of light-emitting units, a portion of the plurality of light emitting-units is correspondingly disposed in a first region of the direct type incidence surface, another portion of the plurality of light-emitting units is correspondingly disposed in a second region of the direct type incidence surface, wherein a vertical projection of the first light-emitting surface on the direct type incidence surface is at least partly overlapped with the first region, and a vertical projection of the second light-emitting surface on the direct type incidence surface is at least partly overlapped with the second region.

5. The display device of claim 2, wherein the light guide plate comprises a first incidence surface and a second incidence surface, the first incidence surface is adjacent to the second display panel, the second incidence surface is adjacent to the first display panel;
wherein the light-emitting module comprises a plurality of light-emitting units, a portion of the light-emitting units is adjacent to the first incidence surface and is configured to provide the illuminating light to the first light-emitting surface through the light guide plate, another portion of the light-emitting units is adjacent to the second incidence surface and is configured to provide the illuminating light to the second display panel through the light guide plate.

6. The display device of claim 1, further comprising:
a hinging element connected to the first display panel and the second display panel, the hinging element is configured to adjust the including angle between the first display panel and the second display panel.

7. The display device of claim 1, wherein a ratio of an intensity of the illuminating light received by the first display panel to an intensity of the illuminating light received by the second display panel is greater than 0.05 and less than 19.

8. The display device of claim 7, wherein a ratio of an intensity of the illuminating light received by the first display panel to an intensity of the illuminating light received by the second display panel is greater than 0.5 and less than 19.

9. The display device of claim 7, wherein a ratio of an intensity of the illuminating light received by the first display panel to an intensity of the illuminating light received by the second display panel is greater than 0.05 and less than 2.

10. A vehicle, comprising:

a windshield;

a dashboard; and

the display device of claim 1, wherein the first display panel is disposed on the dashboard, and the display surface is on the windshield.

11. The vehicle of claim 10, further comprising a combiner disposed between the windshield and the display device, wherein the combiner is configured to provide the display surface, and the combiner comprises a semi-transparent-semi-reflective material.

12. The vehicle of claim 10, wherein the light-emitting module comprises:

at least one light-emitting unit; and

a light guide plate having a first light-emitting surface and a second light-emitting surface, the first light-emitting surface corresponds to the first light-receiving surface, the second light-emitting surface corresponds to the second light-receiving surface, wherein the light-emitting unit provides the illuminating light to the light guide plate, the illuminating light is transmitted to at least one of the first light-emitting surface and the second light-emitting surface through the light guide plate, and

wherein the light guide plate, the first side, and the second side substantially extend along a first direction, and the first direction is perpendicular to a traveling direction of the vehicle.