WHAT IS CLAIMED IS:

1. A display device, comprising:

a first pixel row comprising a plurality of first pixel blocks, wherein each of the first pixel blocks comprises:

a first color sub-pixel block electrically connected to a first scan line, a second scan line and a first data line to obtain a first color data from the first data line in accordance with a signal of the first scan line;

a second color sub-pixel block electrically connected to the second scan line and a second data line to obtain a second color data from the second data line in accordance with a signal of the second scan line; and

a third color sub-pixel block electrically connected to the first scan line and the second data line to obtain a third color data from the second data line in accordance with a signal of the first scan line; and

a second pixel row disposed adjacent to the first pixel row, wherein the second pixel row comprises a plurality of second pixel blocks, and each of the second pixel blocks comprises:

a fourth color sub-pixel block electrically connected to a third scan line, a fourth scan line and the first data line to obtain a fourth color data from the first data line in accordance with a signal of the third scan line;

a fifth color sub-pixel block electrically connected to the fourth scan line and the second data line to obtain a sixth color data from the second data line in accordance with a signal of the fourth scan line; and

a sixth color sub-pixel block electrically connected to the third scan line and the second data line to obtain a sixth color data from the second data line

in accordance with a signal of the third scan line;

wherein the first color sub-pixel block and the second color sub-pixel block correspond to a first sub-frame of a frame, and the first color sub-pixel block and the third color sub-pixel block correspond to a second sub-frame of the frame;

wherein the fourth color sub-pixel block and the fifth color sub-pixel block correspond to the first sub-frame of the frame, and the fourth color sub-pixel block and the sixth color sub-pixel block correspond to the second sub-frame of the frame;

wherein the first color sub-pixel block and the fourth color sub-pixel block correspond to a red color, the second color sub-pixel block and the fifth color sub-pixel block correspond to a green color, and the third color sub-pixel block and the sixth color sub-pixel block correspond to a blue color.

2. The display device of the claim 1, wherein the first color sub-pixel block is located between the first data line and the second data line.

3. The display device of the claim 1, wherein the fourth color sub-pixel block is located between the first data line and the second data line.

4. A display device, comprising:

a first pixel row comprising a plurality of first pixel blocks, wherein each of the first pixel blocks comprises:

a first color sub-pixel block electrically connected to a first scan line, and a first data line to obtain a first color data from the first data line in

accordance with a signal of the first scan line;

a second color sub-pixel block electrically connected to a second scan line and a second data line to obtain a second color data from the second data line in accordance with a signal of the second scan line; and

a third color sub-pixel block electrically connected to the first scan line and the second data line to obtain a third color data from the second data line in accordance with a signal of the first scan line; and

a second pixel row disposed adjacent to the first pixel row, wherein the second pixel row comprises a plurality of second pixel blocks, and each of the second pixel blocks comprises:

a fourth color sub-pixel block electrically connected to a third scan line and the first data line to obtain a fourth color data from the first data line in accordance with a signal of the third scan line;

a fifth color sub-pixel block electrically connected to a fourth scan line and the second data line to obtain a fifth color data from the second data line in accordance with a signal of the fourth scan line; and

a sixth color sub-pixel block electrically connected to the third scan line and the second data line to obtain a sixth color data from the second data line in accordance with a signal of the third scan line;

wherein the first color sub-pixel block and the third color sub-pixel block of a first one of the first pixel blocks correspond to a first sub-frame of a frame, and the second color sub-pixel block of a second one of the first pixel blocks correspond to a second sub-frame of the frame, and the second one of the first pixel blocks is adjacent to the first one of the first pixel blocks;

wherein the fifth color sub-pixel block corresponds to the first sub-frame of the

frame, and the fourth color sub-pixel block and the sixth color sub-pixel block correspond to the second sub-frame of the frame;

wherein the first color sub-pixel block and the fourth color sub-pixel block correspond to a red color, the second color sub-pixel block and the fifth color sub-pixel block correspond to a green color, and the third color sub-pixel block and the sixth color sub-pixel block correspond to a blue color.

5. The display device of the claim 4, wherein the first color sub-pixel block is located between the first data line and the second data line.

6. The display device of the claim 4, wherein the fourth color sub-pixel block is located between the first data line and the second data line.

7. A control method of a display device, comprising:

providing a first pixel row comprising a plurality of first pixel blocks, wherein each of the first pixel blocks comprises: a first color sub-pixel block, a second color sub-pixel block and a third color sub-pixel block;

dividing a frame into a first sub-frame and a second sub-frame;

defining M first color mixed pixel blocks and N first single color pixel blocks in the first pixel blocks, wherein M is an integer greater than 1, and N is an integer greater or equal to 0;

when N=0, performing a first pixel control step to control the first color sub-pixel block and the second color sub-pixel block of at least one of the first color mixed pixel blocks to emit light in the first sub-frame, and to control the first color sub-pixel block and the third color sub-pixel block of the at least one of the first color mixed pixel blocks

to emit light in the second sub-frame; and

when N≠0, performing a second pixel control step, wherein the second pixel control step comprises:

controlling the first color sub-pixel block and the third color sub-pixel block of each of the first color mixed pixel blocks to emit light in the first sub-frame; and

controlling the second color sub-pixel block of each of the single color pixel blocks to emit light in the first sub-frame.

8. The control method of claim 7, further comprising:

providing a second pixel row adjacent to the first pixel row, wherein the second pixel row comprises a plurality of second pixel blocks, and each of the second pixel blocks comprises a fourth color sub-pixel block, a fifth color sub-pixel block and a sixth color sub-pixel block;

defining X second color mixed pixel blocks and Y second single color pixel blocks in the second pixel blocks, wherein X is an integer greater than 1, and Y is an integer greater or equal to 0;

when Y=0, performing a third pixel control step to control the first color sub-pixel block and the second color sub-pixel block of at least one of the second color mixed pixel blocks to emit light in the first sub-frame, and to control the first color sub-pixel block and the third color sub-pixel block of the at least one of the second color mixed pixel blocks to emit light in the second sub-frame; and

when Y≠0, performing a fourth pixel control step, wherein the fourth pixel control step comprises:

controlling the first color sub-pixel block and the third color sub-pixel

block of each of the second color mixed pixel blocks to emit light in the first sub-frame; and

controlling the second color sub-pixel block of each of the single color pixel blocks to emit light in the first sub-frame.

9. The control method of claim 8, wherein the first color sub-pixel block and the fourth color sub-pixel block correspond to a red color, the second color sub-pixel block and the fifth color sub-pixel block correspond to a green color, and the third color sub-pixel block and the sixth color sub-pixel block correspond to a blue color.

10. The control method of claim 8, wherein

when M and N are greater than or equal to 2, the first single color pixel blocks and the first color mixed pixel blocks are alternatively arranged; and

when X and Y are greater than or equal to 2, the second single color pixel blocks and the second color mixed pixel blocks are alternatively arranged.

11. The control method of claim 8, wherein providing the first pixel row comprises:

disposing the first color sub-pixel block between a first data line and a second data line.

12. The control method of claim 8, wherein providing the second pixel row comprises:

disposing the fourth color sub-pixel block between a first data line and a second data line.