CLAIMS

1. An electronic device configured to be connected to ~~a~~ an external display device, the electronic device being configured to output image data to the external display device, the electronic device comprising:

a resolution retrieval unit configured to retrieve, from the external display device, a ~~recommended~~ first resolution of the external display device;

a resolution determination unit configured to determine whether an aspect ratio of the retrieved first resolution is a predetermined aspect ratio, and the first resolution is greater than or equal to a second resolution of the external display device; ~~the retrieved recommended resolution is greater than or equal to a priority resolution of the electronic device, the priority resolution being a reference aspect ratio of the electronic device;~~

a resolution selecting unit, ~~configured to select a first resolution~~ wherein, in response to determining, by the resolution determination unit, that the aspect ratio of the first resolution is the predetermined aspect ratio, and the first resolution is greater than or equal to the second resolution, the resolution selecting unit is configured to select the second resolution, and wherein, in response to determining, by the resolution determination unit, that the aspect ratio of the first resolution is the predetermined aspect ratio, and the first resolution is less than the second

resolution, the resolution selecting unit is configured to select the first resolution; and

a resolution changing unit configured to change a resolution of the external display device to ~~be~~ one of the first resolution and the second resolution that is~~has been~~ selected by the resolution selecting unit.~~,~~

~~wherein, when the resolution determination unit determines that the retrieved recommended resolution is greater than or equal to the priority resolution, the resolution selecting unit selects the priority resolution as the first resolution, and~~

~~wherein, when the resolution determination unit determines that the retrieved recommended resolution is less than the priority resolution, the resolution selecting unit selects a standard resolution as the first resolution .~~

2. The electronic device according to claim 1,

wherein the resolution determination unit is configured to determine whether an aspect ratio of the ~~recommended~~ first resolution is a standard aspect ratio of ~~the~~ a standard resolution, prior to determining whether the ~~recommended~~ first resolution is greater than or equal to the ~~priority~~ second resolution, and

wherein, when the resolution determination unit determines that the aspect ratio of the ~~recommended~~ first resolution is the standard aspect ratio, the resolution

selecting unit selects the standard resolution as the first resolution.

3. The electronic device according to claim 1,

wherein the resolution determination unit is configured to determine whether the ~~recommended~~ first resolution is a wide resolution, the wide resolution being different from the ~~reference~~ predetermined aspect ratio, prior to determining whether the ~~recommended~~ first resolution is greater than or equal to the ~~priority~~ second resolution, and

wherein, when the resolution determination unit determines that the ~~recommended~~ first resolution is the wide resolution, the resolution selecting unit selects the wide resolution as the first resolution.

4. The electronic device according to claim 1,

wherein the resolution determination unit is configured to determine whether an aspect ratio of the ~~recommended~~ first resolution is a standard aspect ratio of ~~the~~ a standard resolution, prior to determining whether the ~~recommended~~ first resolution is greater than or equal to the second~~priority~~ resolution,

wherein, when the resolution determination unit determines that the aspect ratio of the ~~recommended~~ first resolution is the standard aspect ratio, the resolution

selecting unit selects the standard resolution as the first resolution,

wherein, when the resolution determination unit determines that the aspect ratio of the first~~recommended~~ resolution is not the standard aspect ratio, the resolution determination unit is configured to determine whether the recommended resolution is a wide resolution, the wide resolution being different from the predetermined~~reference~~ aspect ratio, and

wherein, when the resolution determination unit determines that the ~~recommended~~ first resolution is the wide resolution, the resolution selecting unit selects the wide resolution as the first resolution.

5. ~~An~~ The electronic device according to claim 1, further comprising: ~~configured to be connected to a display device, the electronic device being configured to output image data to the display device, the electronic device comprising:~~

~~a first resolution retrieval unit configured to retrieve a displayable resolution, the displayable resolution being displayable by the display device;~~

a resolution management table reading unit configured to sequentially read one or more data lines included in a resolution management table, wherein each of the data lines includes a ~~second~~ third resolution as an element~~;~~, wherein

~~a second~~the resolution retrieval unit is configured to obtain the ~~second~~ third resolution from the read data line;

~~a first~~the resolution determination unit is configured to determine whether the ~~displayable~~ first resolution obtained by the ~~first~~ resolution retrieval unit includes the ~~second~~ third resolution obtained by the ~~second~~ resolution retrieval unit; and

~~a first~~the resolution changing unit is configured to change, when the ~~first~~ resolution determination unit determines that the ~~displayable~~ first resolution includes the ~~second~~ third resolution, ~~a~~ the resolution of the external display device to ~~be~~ the ~~second~~ third resolution obtained by the ~~second~~ resolution retrieval unit~~;~~,

~~a third resolution retrieval unit configured to retrieve a recommended resolution of the display device,~~ wherein the ~~third~~ resolution retrieval unit is configured to operate~~s~~ when the ~~first~~ resolution determination unit determines that the ~~displayable~~ first resolution does not include the ~~second~~ third resolution obtained from each of the read data lines by the ~~second~~ resolution retrieval unit~~;~~.

~~a second resolution determination unit configured to determine whether the retrieved recommended resolution is greater than or equal to a priority resolution of the electronic device, the priority resolution being a reference aspect ratio of the electronic device;~~

~~a resolution selecting unit configured to select a first resolution; and~~

~~a second resolution changing unit configured to change the resolution of the display device to be the first~~

~~resolution that has been selected by the resolution selecting unit,~~

~~wherein, when the second resolution determination unit determines that the recommended resolution is greater than or equal to the priority resolution, the resolution selecting unit selects the priority resolution as the first resolution, and~~

~~wherein, when the second resolution determination unit determines that the recommended resolution is less than the priority resolution, the resolution selecting unit selects a standard resolution as the first resolution.~~

6. The electronic device according to claim 5,

wherein the ~~second~~ resolution determination unit is configured to determine whether an aspect ratio of the ~~recommended~~ first resolution is a standard aspect ratio of ~~the~~ a standard resolution, prior to determining whether the ~~recommended~~ first resolution is greater than or equal to the second~~priority~~ resolution~~,~~, and

wherein, when the ~~second~~ resolution determination unit determines that the aspect ratio of the ~~recommended~~ first resolution is the standard aspect ratio, the resolution selecting unit selects the standard resolution as the first resolution.

7. The electronic device according to claim 5,

wherein the second resolution determination unit is configured to determine whether the ~~recommended~~ first resolution is a wide resolution, the wide resolution being different from the predetermined~~reference~~ aspect ratio, prior to determining whether the first~~recommended~~ resolution is greater than or equal to the ~~priority~~ second resolution, and

wherein, when the second resolution determination unit determines that the ~~recommended~~ first resolution is the wide resolution, the resolution selecting unit selects the wide resolution as the first resolution .

8. The electronic device according to claim 5,

wherein the second resolution determination unit is configured to determine whether an aspect ratio of the ~~recommended~~ first resolution is a standard aspect ratio of ~~the~~ a standard resolution, prior to determining whether the first~~recommended~~ resolution is greater than or equal to the second~~priority~~ resolution,

wherein, when the second resolution determination unit determines that the aspect ratio of the first~~recommended~~ resolution is the standard aspect ratio, the resolution selecting unit selects the standard resolution as the first resolution,

wherein, when the second resolution determination unit determines that the aspect ratio of the recommended resolution is not the standard aspect ratio, the second resolution determination unit is configured to determine whether the

~~recommended~~ first resolution is a wide resolution, the wide resolution being different from the standard aspect ratio, and

wherein, when the second resolution determination unit determines that the first~~recommended~~ resolution is the wide resolution, the resolution selecting unit selects the wide resolution as the first resolution.

9. The electronic device according to any one of claims 1 - 8,

wherein the electronic device is a transmission terminal device configured to transmit and receive data of a screen to be shared with another transmission terminal device, and

wherein the transmission terminal device is configured to output the image data to the external display device, and configured to cause the external display device to display the image data.

10. A program for controlling an electronic device, the electronic device being configured to be connected to an external display device and configured to output image data to the external display device, the program causing a computer included in the electronic device to function as:

a resolution retrieval unit configured to retrieve, from the external display device, a first~~recommended~~ resolution of the external display device;

a resolution determination unit configured to determine whether an aspect ratio of the retrieved first resolution is a predetermined aspect ratio, and the first resolution is greater than or equal to a second resolution of the external display device; ~~the retrieved recommended resolution is greater than or equal to a priority resolution of the electronic device, the priority resolution being a reference aspect ratio of the electronic device;~~

a resolution selecting unit, ~~configured to select a first resolution~~ wherein, in response to determining, by the resolution determination unit, that the aspect ratio of the first resolution is the predetermined aspect ratio, and the first resolution is greater than or equal to the second resolution, the resolution selecting unit is configured to select the second resolution, and wherein, in response to determining, by the resolution determination unit, that the aspect ratio of the first resolution is the predetermined aspect ratio, and the first resolution is less than the second resolution, the resolution selecting unit is configured to select the first resolution; and

a resolution changing unit configured to change a resolution of the external display device to ~~be~~ one of the first resolution and the second resolution that is ~~has been~~ selected by the resolution selecting unit.~~,~~

~~wherein, when the resolution determination unit determines that the retrieved recommended resolution is greater than or equal to the priority resolution, the resolution selecting unit selects the priority resolution as the first resolution, and~~

~~wherein, when the resolution determination unit determines that the retrieved recommended resolution is less than the priority resolution, the resolution selecting unit selects a standard resolution as the first resolution.~~

11. A non-transitory computer readable recording medium storing the program according to claim 10.