CLAIMS

1. A transmission terminal which is connected to a display apparatus for outputting image data for displaying on the display apparatus, comprising:

a resolution obtaining unit which obtains one or more resolutions displayable by the display apparatus;

a resolution determining unit which determines whether the obtained resolutions displayable include a second resolution other than a first resolution having a ~~standard~~ first aspect ratio ~~used in transmitting~~ of the image data to be transmitted to a transmission terminal that is a communications counterpart;

a resolution selecting unit which selects ~~a first~~ the second resolution ~~other than the standard aspect ratio of~~from among the resolutions displayable if the resolution determining unit determines that the second resolution ~~other than the standard aspect ratio~~ is included and selects ~~a second~~ the first resolution from among ~~of the standard aspect ratio of the~~ resolutions displayable if the resolution determining unit determines that the second resolution ~~other than the standard aspect ratio~~ is not included;

an image processing unit which generates an image data appended with a segment area to have an aspect ratio of the second resolution, by ~~performs a process of~~ adding ~~a~~the segment area to the image data ~~output by the display apparatus~~ generated by expanding or reducing the image data based on the first aspect ratio and the aspect ratio of the second

resolution, after the ~~first~~second resolution is selected by the resolution selecting unit; and

a resolution changing unit which changes the resolution of the display apparatus to the resolution selected by the resolution selecting unit.

2. The transmission terminal as claimed in claim 1, wherein

the image processing unit

generates one or more rectangular data sets with the first resolution matching a width thereof; and adds the rectangular data set in a height direction of the image data, and wherein

a height of the rectangular data set is such that the height after adding to the image data matches a ~~a~~ height of the first resolution.

3. The transmission terminal as claimed in any one of claim 1 or 2, wherein the resolution selecting unit selects a highest resolution from resolutions selectable.

4. The transmission terminal as claimed in any one of claim 1 or 3, further comprising an auxiliary information display unit which, when displaying auxiliary information on the display apparatus, displays the auxiliary information on the segment area when the first resolution is selected and displays the auxiliary information on an arbitrary area of the image data such that it overlaps the arbitrary area.

5. A transmission terminal which is connected to a display apparatus for outputting image data for displaying on the display apparatus, comprising:

a first resolution obtaining unit which obtains one or more resolutions displayable by the display apparatus;

a resolution management table reading unit which successively reads, from a resolution management table which includes one or more data lines, the one data line, which data line includes at least a resolution and an overlap flag as elements;

a second resolution obtaining unit which obtains the resolution from the read data line;

a resolution determining unit which determines whether the resolutions displayable which are obtained by the first resolution obtaining unit include the resolution obtained by the second resolution obtaining unit, the resolution obtained by the second resolution obtaining unit being a second resolution other than a first resolution having a first aspect ratio of the image data to be transmitted to a transmission terminal that is a communications counterpart;

a flag obtaining unit which obtains the overlap flag from the read data line if the resolution determining unit determines that the second resolution obtained by the second resolution obtaining unit is included;

an image processing unit ~~which performs a process of~~ generates an image data appended with a segment area to have an aspect ratio of the second resolution, by adding ~~a~~the segment area to the image data generated by expanding or reducing the image data based on the first aspect ratio and the aspect ratio of

the second resolution, ~~output on the display apparatus when the overlap flag obtained from the flag obtaining unit is false~~; and

a resolution changing unit which changes the resolution of the display apparatus to the resolution obtained by the second resolution obtaining unit.

6. The transmission terminal as claimed in claim 5, further comprising:

a second resolution determining unit which operates when the resolution determining unit determines, for all of the data lines read by the resolution management table reading unit, that the resolution obtained by the second resolution obtaining unit is not included, the second resolution determining unit determining whether the resolutions displayable which are obtained by the first resolution obtaining unit include a resolution other than the first ~~standard~~ aspect ratio used in transmitting the image data;

a resolution selecting unit which selects a first resolution other than the first~~standard~~ aspect ratio of the resolutions displayable if the second resolution determining unit determines that the resolution other than the first~~standard~~ aspect ratio is included and selects a second resolution of the first~~standard~~ aspect ratio of the resolutions displayable if the second resolution determining unit determines that the resolution other than the first~~standard~~ aspect ratio is not included; and

a second image processing unit which performs a process of adding a segment area to the image data output by the display

apparatus after the first resolution is selected by the resolution selecting unit; and

a second resolution changing unit which changes a resolution of the display apparatus to the resolution selected by the resolution selecting unit.

7. The transmission terminal as claimed in any one of claim 5 or 6, wherein

the resolution management table includes elements which specify a size of rectangular data which forms the segment area and a position at which the rectangular data is added to the image data; and wherein the image processing unit obtains the size and the position of the rectangular data, generates one or more rectangular data sets specified with the size, and adds the rectangular data set to a position of the image data that is specified with the obtained position.

8. The transmission terminal as claimed in any one of claims 5 to 7, further comprising: an auxiliary information display unit which, when displaying auxiliary information on the display apparatus, displays the auxiliary information on the segment area when the overlap flag is false and displays the auxiliary information on an arbitrary area of the image data such that it overlaps the arbitrary area when the overlap flag is true.

9. The transmission terminal as claimed in any one of claims 1 to 8, further comprising:

a digital input determining unit which determines whether the display apparatus is in a digital input state, wherein, if it is determined that the display apparatus is in the digital input state,

the resolution obtaining unit obtains a recommended resolution from the display apparatus, and the resolution changing unit changes the resolution of the display apparatus to the recommended resolution obtained from the display apparatus.

10. A method of controlling transmission terminal which is connected to a display apparatus and which outputs image data for displaying o the display apparatus, comprising:

a resolution obtaining step of obtaining one or more resolutions displayable by the display apparatus;

a resolution determining step of determining whether the obtained resolutions displayable include a second resolution other than a ~~standard~~ first resolution having a first aspect ratio ~~used in transmitting~~ of the image data to be transmitted;

a resolution selecting step of selecting ~~a first~~ the second resolution ~~other than the standard aspect ratio of~~ from among the resolutions displayable if the resolution determining step determines that the first resolution ~~other than the standard aspect ratio~~ is included and selects ~~a second~~ the first resolution ~~of the standard aspect ratio of~~ from among the resolutions displayable if the resolution determining step determines that the second resolution ~~other than the standard aspect ratio~~ is not included;

an image processing step of generating an image data appended with a segment area to have an aspect ratio of the second

resolution, by ~~performing a process of~~ adding ~~a~~the segment area to the image data ~~output by the display apparatus~~ generated by expanding or reducing the image data based on the first aspect ratio and the aspect ratio of the second resolution, after the ~~first~~ second resolution is selected by the resolution selecting step; and

a resolution changing step of changing the resolution of the display apparatus to the resolution selected by the resolution selecting step.

11. A method of controlling transmission terminal which is connected to a display apparatus for outputting image data for displaying on the display apparatus, comprising:

a first resolution obtaining step of obtaining one or more resolutions displayable by the display apparatus;

a resolution management table reading step of successively reading, from a resolution management table which includes one or more data lines, the one data line, which data line includes at least a resolution and an overlap flag as elements;

a second resolution obtaining step of obtaining the resolution from the read data line;

a resolution determining step of determining whether the resolutions displayable which are obtained by the first resolution obtaining step include the resolution obtained by the second resolution obtaining step, the resolution obtained by the second resolution obtaining step being a second resolution other than the first resolution having a first aspect ratio of the image data to be transmitted;

a flag obtaining step of obtaining the overlap flag from the read data line if the resolution determining step determines that the second resolution obtained by the second resolution obtaining step is included;

an image processing step of generating an image data appended with a segment area to have an aspect ratio of the selected second resolution, by ~~performing a process of~~ adding ~~a~~the segment area to the image data generated by expanding or reducing the image data based on the first aspect ratio and the aspect ratio of the second resolution, ~~output on the display apparatus when the overlap flag obtained from the flag obtaining step is false~~; and

a resolution changing step of changing the resolution of the display apparatus to the resolution obtained by the second resolution obtaining step.

12. An image display control program which causes a computer making up a transmission terminal connected to a display apparatus for outputting image data for displaying on the display apparatus to function as:

a resolution obtaining unit which obtains one or more resolutions displayable by the display apparatus;

a resolution determining unit which determines whether the obtained resolutions displayable include a second resolution other than a first resolution having a ~~standard~~ first aspect ratio ~~used in transmitting~~ of the image data to be transmitted;

a resolution selecting unit which selects ~~a first~~the second resolution ~~other than the standard aspect ratio of~~from among the resolutions displayable if the resolution determining unit

determines that the second resolution ~~other than the standard aspect ratio~~ is included and selects ~~a second~~the first resolution from among ~~of the standard aspect ratio of~~ the resolutions displayable if the resolution determining unit determines that the second resolution ~~other than the standard aspect ratio~~ is not included;

an image processing unit which generates an image data appended with a segment area to have an aspect ratio of the second resolution, by ~~performs a process of~~ adding ~~a~~the segment area to the image data ~~output by the display apparatus~~ generated by expanding or reducing the image data based on the first aspect ratio and the aspect ratio of the second resolution, after the ~~first~~second resolution is selected by the resolution selecting unit; and

a resolution changing unit which changes the resolution of the display apparatus to the resolution selected by the resolution selecting unit.

13. An image display control program which causes a computer making up a transmission terminal connected to a display apparatus for outputting image data for displaying on the display apparatus to execute the method according to claim 11 ~~function as:~~

~~a first resolution obtaining unit which obtains one or more resolutions displayable by the display apparatus;~~

~~a resolution management table reading unit which successively reads, from a resolution management table which includes one or more data lines, the one data line, which data line includes at least a resolution and an overlap flag as elements;~~

~~a second resolution obtaining unit which obtains the resolution from the read data line;~~

~~a resolution determining unit which determines whether the resolutions displayable which are obtained by the first resolution obtaining unit include the resolution obtained by the second resolution obtaining unit;~~

~~a flag obtaining unit which obtains the overlap flag from the read data line if the resolution determining unit determines that the resolution obtained by the second resolution obtaining unit is included;~~

~~an image processing unit which performs a process of adding a segment area to the image data output on the display apparatus when the overlap flag obtained from the flag obtaining unit is false; and~~

~~a resolution changing unit which changes the resolution of the display apparatus to the resolution obtained by the second resolution obtaining unit.~~

14. A computer-readable recording medium having recorded thereon the image display control program as claimed in claim 12 or 13.

15. A transmission system, comprising:

the transmission terminal as claimed in any one of claims 1 to 9, wherein multiple of the transmission terminals are mutually connected via a network, and wherein one of the transmission

terminals combines an individual image data set from another of the transmission terminals into the image data.