CLAIMS

1. An information processing apparatus comprising:

a first interface configured to acquire a character string image that is captured from an address face of a mail item for sorting the mail item and includes a character string;

a second interface configured to transmit and receive data to and from an internal video coding device at an internal location through a first network;

a third interface configured to transmit and receive data to and from an external video coding device at an external location or on a cloud through a second network; and

a processor configured to:

perform character recognition processing on the character string image, set a category of a character string recognized based on a result of the character recognition processing, and determine whether the character string image includes personal information based on the category of the character string;

transmit, if the character string image includes the personal information, the character string image to the internal video coding device through the second interface, and acquire, from the internal video coding device, a first input character string received according to the character string image displayed by the internal video coding device; and

transmit, if the character string image does not include the personal information, the character string image to the external video coding device through the third interface, and acquire, from the external video coding device, a second input character string received according to the character string image displayed by the external video coding device,

the first network being a local area network, and

the second network being the Internet.

2. The information processing apparatus according to claim 1,

wherein the processor is configured to:

partition the character string image into partitioned images,

transmit the partitioned image that includes the personal information to the internal video coding device through the second interface, and acquire the first input character string received according to the character string image displayed by the internal video coding device; and

transmit the partitioned image that does not include the personal information to the external video coding device through the third interface, and acquire the second input character string received according to the character string image displayed by the external video coding device.

3. The information processing apparatus according to claim 2, wherein

the processor partitions the character string image into the partitioned images for each category, and

the partitioned image that includes the personal information is a partitioned image for which a predetermined category is set or a partitioned image for which a category is not set.

4. The information processing apparatus according to claim 3,

wherein the category includes any one of a name, an address, or a telephone number.

5. The information processing apparatus according to any one of claims 2 to 4, wherein

the processor transmits a plurality of partitioned images that do not include the personal information to respective external video coding devices through the third interface.

6. The information processing apparatus according to any one of claims 3 to 4, wherein

the processor is configured to further partition the partitioned image for which the predetermined category is set into a plurality of partitioned images, and transmit the plurality of partitioned images to the external video

coding device through the third interface.

7. The information processing apparatus according to claim 6, wherein

the processor is configured to transmit the plurality of partitioned images obtained by further partitioning the partitioned image to respective external video coding devices.

8. The information processing apparatus according to any one of claims 1 to 3 and 5 to 7, wherein

the personal information is a name and an address.

9. The information processing apparatus according to any one of claims 1 to 8, wherein

the character string includes a destination.

10. The information processing apparatus according to any one of claims 1 to 9, wherein

the first interface is connected to a processing apparatus, and

the processor is configured to transmit the input character string to the processing apparatus through the first interface.

11. An information processing method executed by a processor, the method comprising:

acquiring a character string image that is captured from an address face of a mail item for sorting the mail item and includes a character string;

performing character recognition processing on the character string image, setting a category of a character string recognized based on a result of the character recognition processing, and determining whether the character string image includes personal information based on the category of the character string;

transmitting, if the character string image includes the personal information, the character string image to an internal video coding device at an internal location through a local area network, and acquiring, from the internal video coding device, a first input character string received according to the character string image displayed by the internal video coding device; and

transmitting, if the character string image does not include the personal information, the character string image to an external video coding device at an external location or on a cloud through the Internet, and acquiring, from the external video coding device, a second input character string received according to the character string image displayed by the external video coding device.

12. A program to be executed by a processor, the program causing the processor to implement:

a function of acquiring a character string image

that is captured from an address face of a mail item for sorting the mail item and includes a character string;

a function of performing character recognition processing on the character string image, setting a category of a character string recognized based on a result of the character recognition processing, and determining whether the character string image includes personal information based on the category of the character string;

a function of transmitting, if the character string image includes the personal information, the character string image to an internal video coding device at an internal location through a local area network acquiring, from the internal video coding device, a first input character string received according to the character string image displayed by the internal video coding device; and

a function of transmitting, if the character string image does not include the personal information, the character string image to an external video coding device at an external location or on a cloud through the Internet, and acquiring, from the external video coding device, a second input character string received according to the character string image displayed by the external video coding device.