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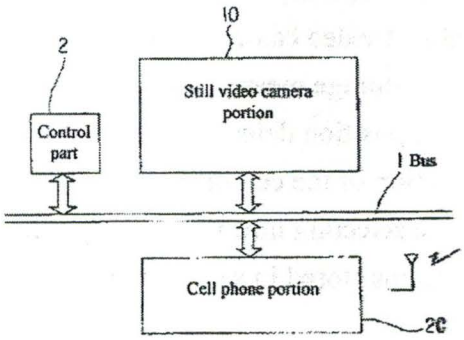
(54) INFORMATION TRANSMISSION DEVICE

(57) Abstract

Purpose: The present invention pertains to a type of information transmission device. The purpose of the present invention is to provide a type of information transmission device characterized by combining a digital camera and a cell phone, it can provide an information transmission device that can be carried around conveniently without the need to carry multiple memory cards.

Constitution: It is composed of the following parts: digital still video camera portion (10), cell phone portion (20) with wireless call function, bus (1) that connects said digital still video camera portion (10) and said cell phone portion (20), and control part (2) connected to bus (1) that performs control of operation of said digital still video camera portion (10) and cell phone portion (20); as digital still video camera portion (10) and cell phone portion (20) are combined via bus (1), the image information obtained by digital still video camera portion (10) can be sent wirelessly to a remote site from cell phone portion (20) as needed.



[There are no amendments to this patent.]

CLAIMS

1. A type of information transmission device characterized by the following facts: the information transmission device is composed of the following parts:

digital still video camera portion (10) that digitally reads the image information,

cell phone portion (20) with a wireless call function,

bus (1) that commonly connects said digital still video camera portion (10) and cell phone portion (20),

and control part (2) that is connected to bus (1), and performs an operation control for said digital still video camera portion (10) and cell phone portion (20),

and because digital still video camera portion (10) and cell phone portion (20) are combined via bus (1), the image information obtained by digital still video camera portion (10) can be wirelessly transmitted from cell phone portion (20) to a remote site, as needed.

2. The information transmission device described in Claim 1, characterized by the following facts: said digital still video camera portion (10) has

a photographing means that converts an optical image to electric image information,

a storage means that stores said image information in a memory card,

a judgment means that judges if there is a free storage area in the memory card,

and a transmission means that transmits the image information in the memory card to cell phone portion (20) when said judgment means determines that there is no free storage area;

and said cell phone portion (20) has

a temporary storage means that temporarily stores the information transmitted from digital still video camera portion (10),

a storage means that stores the information of the information transmission destination,

a position detecting means that detects the present position from the communication information of the cell phone,

a selecting means that selects the transmission destination from a list of transmission destinations stored in said storage means using the information from said position detecting means,

and a transmission means that transmits the image information stored in said temporary storage means on the basis of the information from said selecting means.

3. The information transmission device described in Claim 1, characterized by the following facts: said digital still video camera portion (10) has

a photographing means that converts an optical image to electric image information,

a storage means that stores said image information in a memory card,

a judgment means that judges if there is a free storage area in the memory card,

and a transmission means that transmits the image information in the memory card to cell phone portion (20) when said judgment means determines that there is no free storage area;

and said cell phone portion (20) has

a storage means that stores the information of the information transmission destination,

a position detecting means that detects the present position from the communication information of the cell phone,

a selecting means that selects the transmission destination from a list of transmission destinations stored in said storage means using the information from said position detecting means,

and a transmission means that transmits the image information transmitted from said memory card on the basis of the information from said selecting means.

4. The information transmission device described in Claim 1, characterized by the fact that said cell phone portion (20) has

a microphone for voice communication,

a speaker that generates a warning sound when it is used as a camera and acts as a voice receiving part when it is used as a telephone,

a release that disconnects the shutter,

and a battery for powering the circuit.

5. The information transmission device described in Claim 1, characterized by the following facts:

it is in a rectangular solid shape like that of a lunch box;

on one side of the surface, a photographing lens is set at the center, and a strobe light and a finder are set on the end portion;

on the other surface, a speaker, a group of keys and a microphone are set;

on the side surface, a release is set;

the speaker and the microphone are located on the two ends of the box;

and the battery and the release are located on the microphone side.

6. The information transmission device described in Claim 1, characterized by the following facts:

it is in a rectangular solid shape like that of a lunch box;

on one side of the surface, a speaker, a group of keys, a release and a microphone are set;
on the side surface, a photographing lens and a finder are set;
the speaker and the microphone are placed on the two ends of the box;
and the battery and the release are placed on the microphone side.

7. The information transmission device described in Claim 1, characterized by the following facts:
it is in a rectangular solid shape like that of a lunch box;
on one side of the surface, a microphone, a group of keys and a speaker are set;
on the other surface, a release is set;
on the side surface, a photographing lens and a finder are set;
the speaker and the microphone are located on the two ends of the box;
and the battery and the release are located on the microphone side.

8. The information transmission device described in Claim 1, characterized by the following facts:
it is in a rectangular solid shape like that of a lunch box;
on one side of the surface, a microphone, a group of keys and a speaker are set;
on the side surface, a release is set;
the portion where said key group is accommodated is formed in a plate shape that can be opened/closed freely;
when not in use, the picture taking lens and finder are hidden by the plate;
and, when in use, the plate is raised to expose the picture taking lens and the finder.

9. The information transmission device described in Claim 1, characterized by the following facts:
it is in a rectangular solid shape like that of a lunch box;
on one side of the surface, a speaker, a finder, a group of keys and a microphone are set;
on the other surface, a photographing lens is set at the center;
on the side surface, a release is set;
the aforementioned speaker and microphone are set on the two ends of the box;
and the battery is placed on the lower portion of the device.

10. The information transmission device described in Claim 1, characterized by the following facts:
it is in a rectangular solid shape like that of a lunch box;

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