

[0032] According to the 24th aspect of the present invention, in the electronic device according to the 23rd aspect, it is preferred that the display control unit controls power supply so as to supply power to the second display unit in the power OFF state when updating display contents at the second display unit.

[0033] According to the 25th aspect of the present invention, in the electronic device according to the 23rd aspect, it is preferred that the display control unit engages the first display unit for display in the power ON state and provides display by switching to the second display unit in response to the power OFF operation.

[0034] According to the 26th aspect of the present invention, in the electronic device according to the 24th or the 25th aspect, it is preferred that the display control unit switches to the first display unit for display in response to a power ON operation performed while a display is up at the second display unit.

[0035] According to the 27th aspect of the present invention, in the electronic device according to the 22nd aspect, it is preferred that the display control unit switches to the second display unit for display when the electronic device remains unoperated over a predetermined length of time with a display up at the first display unit.

[0036] According to the 28th aspect of the present invention, in the electronic device according to the 22nd aspect, it is preferred that the display control unit switches to the first display unit for display if any operation is performed while a display is up at the second display unit.

[0037] According to the 29th aspect of the present invention, in the electronic device according to the 22nd aspect, it is preferred that: there is further provided a setting unit with which an operating mode is selected; and the display control unit switches to the first display unit or the second display unit to be engaged for display at the display device in correspondence to the operating mode selected via the setting unit.

[0038] According to the 30th aspect of the present invention, in the electronic device according to the 22nd aspect, it is preferred that the display control unit switches to the first display unit or the second display unit to be engaged for display at the display device in correspondence to display content to be displayed at the display device.

[0039] According to the 31st aspect of the present invention, in the electronic device according to the 22nd aspect, it is preferred that the display control unit disallows display at the second display unit and enables the first display unit to provide display during a preset time block and allows either the first display unit or the second display unit to be engaged for display during a remaining time block.

[0040] According to the 32nd aspect of the present invention, in the electronic device according to any one of the 22nd through 31st aspects, it is preferred that display contents to be displayed at the first display unit include an image.

[0041] According to the 33rd aspect of the present invention, in the electronic device according to any one of the 22nd through 32nd aspects, it is preferred that display contents to be displayed at the second display unit include at

least one of; a date, a time, a level of remaining battery power, menu information and user input information.

[0042] According to the 34th aspect of the present invention, in the electronic device according to any one of the 22nd through 32nd aspects, it is preferred that: there is further provided a photographing unit that photographs a subject; and display contents to be displayed at the second display unit include at least one of; photographing history, photographing conditions and a photographed image.

[0043] According to the 35th aspect of the present invention, in the electronic device according to any one of the 22nd through 32nd aspects, it is preferred that: there is further provided a communication unit that engages in communication with a device outside the electronic device; and display contents to be displayed at the second display unit include information obtained through the communication conducted by the communication unit.

[0044] According to the 36th aspect of the present invention, in the electronic device according to the 33rd or the 35th aspect, it is preferred that the display control unit updates the display contents displayed at the second display unit with predetermined time intervals..

[0045] According to the 37th aspect of the present invention, in the electronic device according to any one of the 22nd through 36th aspects, it is preferred that the display at the second display unit can be sustained without using any power as long as display contents thereof remain unchanged.

[0046] According to the 38th aspect of the present invention, in the electronic device according to any one of the 22nd through 37th aspects, it is preferred that color display can be provided at the first display unit.

ADVANTAGEOUS EFFECT OF THE INVENTION

[0047] The display device according to the present invention includes the first display unit that provides a light emitting display by individually controlling the light emitting quantity at each pixel and the second display unit that allows each pixel to be individually set to a transmitting state in which ambient light is transmitted or a reflecting state in which the ambient light is reflected. The second display unit is layered over the first display unit so as to allow the first display unit to be viewed through a transmission area at the second display unit. Thus, an optimal display unit better suited to specific display contents or the like can be selected and used and ultimately, power can be consumed more efficiently. In addition, the first display unit can be used as an absorptive layer needed in conjunction with the second display unit. In other words, since the display device does not need to include a special absorptive layer, the number of required parts can be reduced. Furthermore, since the two display units are layered one on top of the other, they can be installed in a space that is hardly any larger than the space required for installing a single display unit.

BRIEF DESCRIPTION OF THE DRAWINGS

[0048] (FIG. 1) A front view showing the structure adopted in the display device

[0049] (FIG. 2) A side elevation showing the structure adopted in the display device