

tion or a sever for receiving at least one of previously generated broadcasting signals and previously generated broadcasting-associated information and transmitting it to a terminal.

**[0029]** The broadcasting-associated information can refer to information pertinent to a broadcasting channel, a broadcasting program and/or a broadcasting service provider. The broadcasting signal may include not only TV broadcasting signals, radio broadcasting signals, and data broadcasting signals, but also broadcasting signals in which TV broadcasting signals or radio broadcasting signals are combined with data broadcasting signals. The broadcasting-associated information may be provided over a mobile communication network. The broadcasting-associated information may be received by the mobile communication module **113**. The broadcasting-associated information can exist in various forms. For instance, the broadcasting-associated information can exist in the form of the electronic program guide (EPG) of the digital multimedia broadcasting (DMB), the electronic service guide (ESG) of the digital video broadcast-handheld (DVB-H) or the like.

**[0030]** The broadcasting receiving module **111** receives broadcasting signals using various broadcasting systems. In particular, the broadcasting receiving module **111** can receive broadcasting signals using a digital broadcasting system, such as the digital multimedia broadcasting-terrestrial (DMB-T), the digital multimedia broadcasting-satellite (DMB-S), the media forward link only (MediaFLO), the digital video broadcast-handheld (DVB-H), and the integrated services digital broadcast-terrestrial (ISDB-T). The broadcasting receiving module **111** may be constructed to be suitable for not only the digital broadcasting systems, but also the entire broadcasting systems that provide broadcasting signals. At least one of broadcasting signals and/or broadcasting-associated information, which are received through the broadcasting receiving module **111**, may be stored in the memory **160**.

**[0031]** The mobile communication module **113** transmits and receives radio signals to and from at least one of a base station, an external terminal, and a server over a mobile communication network. Here, the radio signals may include voice call signals, video call signals, or various forms of data according to transmission/reception of text/multimedia messages.

**[0032]** The wireless Internet module **115** refers to a module for wireless Internet access. The wireless Internet module **115** may be built in the mobile terminal **100** or external to the mobile terminal **100**. The short-range communication module **117** refers to a module for short-range communication. Local area communication technology can employ Bluetooth, radio frequency identification (RFID), infrared data association (IrDA), ultra wideband (UWB), ZigBee or the like. The GPS module **119** receives position information from a plurality of GPS satellites.

**[0033]** The AJV input unit **120** is adapted to input audio signals or video signals and may include a camera **121**, a microphone **123**, and so on. The camera **121** processes image frames, such as still images or motion images, which are captured by an image sensor in the video call mode or the capturing mode. The processed image frames may be displayed on a flexible display **151**.

**[0034]** Image frames processed by the camera **121** may be stored in the memory **160** or transmitted to the outside

through the wireless communication unit **110**. A plurality of the cameras **121** may be provided according to the configuration of a terminal.

**[0035]** The microphone **123** receives external sound signals in the call mode, the recording mode, the voice recognition mode, etc. and converts the received sound signals into electrical voice data. In the call mode, the processed voice data may be converted into a format, which may be transmitted to a mobile communication base station through the mobile communication module **113**, and then output. The microphone **123** can employ a variety of noise removal algorithms for removing noise occurring in the process of receiving external sound signals.

**[0036]** The user input unit **130** generates key entry data, which is input by a user in order to control the operation of the terminal. The user input unit **130** may include a keypad, a dome switch, a touch pad (static pressure/capacitance), a jog wheel, a jog switch, a finger mouse or the like. If the flexible display **151** forms a layer structure along with a touch pad, the resulting architecture may be referred to as a touch screen.

**[0037]** The sensing unit **140** senses a current status of the mobile terminal **100**, such as a closed state of the mobile terminal **100**, the position of the mobile terminal **100**, whether a user touches the mobile terminal **100** or not, and so on and generates a sensing signal for controlling the operation of the mobile terminal **100**. For example, when the mobile terminal **100** is a slide phone type, the sensing unit **140** can sense whether the slide phone is opened or not. The sensing unit **140** may also have the functions of sensing whether the power supply unit **190** supplies power or not, whether the interface unit **170** is connected to an external device, and so on.

**[0038]** The sensing unit **140** may include a proximity sensor **141**. The proximity sensor **141** may detect an object that is nearby and approaching and may determine whether there is an object nearby without any mechanical contact. The proximity sensor **141** may detect an object that is nearby and approaching by detecting a variation in an alternating magnetic field or the rate of variation of static capacitance. The sensing unit **140** may include two or more proximity sensors **141**.

**[0039]** The sensing unit **140** may also include a gyro sensor **142**. The gyro sensor **142** is a sensor sensing the motion of an object by using a gyroscope. Examples of the gyro sensor **142** include an inertial sensor and an acceleration sensor. A gyroscope is classified into a mechanical gyroscope, a ring laser gyroscope, or an optic fiber gyroscope. The gyro sensor **142** may sense the motion of an object and may thus provide a signal for controlling the mobile terminal **100**.

**[0040]** The sensing unit **140** may include a gravity sensor **143**. The gravity sensor **143** is a concept including all kinds of sensors that sense the rotation state of a mobile terminal. The gravity sensor **143** may have a weight coupled to a variable resistor and be configured to sense a current rotation state of a terminal according to a change in resistance due to the rotation of the terminal, or may have a conductive object at its center and be configured to sense the rotation state of a terminal in response to a direction in which the conductive object is brought in contact with the terminal in response to the rotation.

**[0041]** The sensing unit **140** may include a bend sensor **144**. The bend sensor **144** may convert information indicating the position at which the flexible display **151** is bent or folded into an electric signal. The bend sensor **144** may output different