CLAIMS

1. **A multimedia system** for acquisition, registration and multimedia management comprising at least one data acquisition module (A) , for multimedia data acquisition, at least one computerized module (B) , comprising a data processing unit for controlling the functions, recording, storing, managing and/or sharing, transmitting and/or streaming of multimedia data acquired by at least a module (A) and, at least one connection module (Cl) for connecting the multimedia data acquisition module (A) to the computerized module (B) and/or to at least one multimedia data processing module (D), and/or to at least one peripheral device (P), wherein:

- **The data acquisition module (A) is a multimedia glasses device** comprising:
  - a frame (1) and lenses (10,11),
  - a camera (6) able to capture static and/or dynamic images, having a recognition of different recording modes, said
  - camera (6) is attached to at least a motor (8) allowing the camera to change its angle relative to the glasses frame (1) and lenses (10,11), and to change its point of view to match the user's point of view, signalling the beginning, stopping, and restarting motion picture capture, still image capture (photography) or adding bookmarks through audio feedback in response to actuation of a gesture- or voice-command of the user;
  - an optical mechanism capable of changing the focusing angle of the light from the light signalling device and

capable of zooming in and out the camera's field of view;

- an audio system comprising a microphone and speaker of the type bone conducting transducer (2) for capturing the user's voice, allowing said user to interact with the smart glasses device via computerized module (B) by giving instructions regarding the recording position, such as starting and stopping the recording mode, turning in and turning off a lighting device that signals the point of view of the camera, and adding voice highlights to the video, and where the speaker gives a feedback from the computerized module (B) to the user following an instruction given via the microphone and confirms which command will be executed afterwards;
- at least an inertial sensor to identify the position of the user's head, allowing to switch automatically between the available modes of the glasses;
- a first lighting device (5) for signalling the recording status of a camera (6) and a second lighting device for identification of the point of view of the recording,
- at least one connection module (Cl); and

— **A computerized module (B)** comprising a data processing unit for controlling the functions, recording, storing, managing and/or sharing, transmitting and/or streaming the data acquired by a data acquisition module (A) , wherein said module (B)

- is capable of reacting to the instructions provided by the user, via data acquisition module (A) and/or via its own touch screen and/or keyboard and can be

controlled remotely by an authenticated person via a network; and

- of controlling the functions of at least one data acquisition module (A), in particular, to start, stop and restart of motion picture capture, still image capture (photography) or bookmarking of points of interest; and

said module (B) further comprises:

- a computer vision algorithm for facial detection system, with the function of preventing or blocking the identification of people, in order to avoid capturing sensitive data related to identifiable people and covers the detected faces in real-time, before the record is made;
- has at least one connection module (Cl), for connecting said computerized module (B) to the multimedia data acquisition module (A), a connection module (C2), for connecting the computerized module (B) to at least one multimedia data processing module (D) , and/or to at least one peripheral device (P).

2. A multimedia system according to claim 1, wherein the at least one multimedia data processing module (D) is configured for storing, recording, processing, editing, managing and/or sharing, transmitting and/or streaming multimedia data.

3. A multimedia system according to claim 1, wherein module (A) comprises a system for removal and replacement of the lenses.

4. A multimedia system according to claim 1, wherein module (A) comprises a water resistant or a water barrier

coating.

5. A multimedia system according to claim 1, wherein module (A) comprises an anti-fog mechanism having inner lenses mounted behind the protection lenses of the glasses, with a thin layer of air contained between the protection lenses and the anti-fog lenses, using an adhesive material on the edge of the anti-fog lenses.

6. A multimedia system according to claim 1, wherein the connection module (Cl) between module (A) and module (B) is a Y-cable connection.

7. A multimedia system according to claim 1, wherein the computerized module (B) is portable or transportable comprising an autonomous source of energy.

8. A multimedia system according to claim 7, wherein the power source is a battery.

9. A multimedia system according to claim 1, wherein the computerized module (B) comprises a touch screen.

10. A multimedia system according to claim 1, wherein the **processing module (D)** comprises a data processing unit for storing, recording, processing, editing, managing and/or sharing, transmitting and/or streaming multimedia data, and at least a connection module (C2) for connecting said multimedia data processing module (D) to a at least one computerized module (B) and/or at least one connection module (C3) for connecting said processing module (D) to at least one peripheral device (P) and a computer program for performing a method of acquisition,

registration and/or multimedia management comprising the following steps:

a) Acquisition of multimedia data from at least one data acquisition module (A),
b) Sending, transmitting and/or streaming the data acquired by at least one module (A) to at least one computerized module (B) through a connection module (Cl),
c) Sending, sharing, transmitting and/or streaming the data from at least one computerized module (B) to at least one processing module (D), through a connection module (C2),
d) Storing, registering, processing, editing and/or managing received multimedia data in at least one processing module (D) and/or a data storage unit such as a floppy disk, a DVD, a Blu-Ray, a CD, a ROM, a PROM, an EPROM, an EEPROM or a FLASH memory having electronically readable control signals, which are capable of cooperating with a programmable computer system,
e) Optionally sharing, transmitting and/or streaming said multimedia data to at least one peripheral device (P) through a connection module (C3) and/or to at least one other processing module (D),
f) Optionally creating a multimedia data library (ML).

11. A multimedia system according to claim 1, wherein the **processing module (D)** comprises **multimedia library** (ML) having multimedia data recorded on a data storage unit such as a floppy disk, a DVD, a Blu-Ray, a CD, a ROM, a PROM, an EPROM, an EEPROM or FLASH memory, having electronically readable control signals, which are capable of cooperating with a programmable computer

system and/or multimedia data processor, having these multimedia data been preferably obtained from recording multimedia events by at least a multimedia data acquisition module (A), preferably the multimedia glasses of the present invention.