CLAIMS

1. A method of generating a signal corresponding to a participant of a video communication, comprising:

providing a first sensor (1a) and a second sensor (1b,1c) in a meeting location, the first sensor and the second sensor respectively generating a sensor signal, wherein at least one of the sensor signals comprises information related to the participant;

receiving and analyzing, by a first host processing device (2a) and a second host processing device (2b, 2c), the sensor signals correspondingly from the first sensor and the second sensor for generating metadata, wherein the metadata comprises information corresponding to at least one of the sensor signals;

sending, by the host processing devices (2a, 2b, 2c), the metadata to a client processing device (3a, 3b, 3c);

generating, by the client processing device (3a, 3b, 3c), the signal corresponding to the participant of video communication based on the received at least part of the at least one sensor signal.

2. The method of claim 1, wherein the first sensor is a video camera device that is connected to or integrated in a video conference system in the meeting location and wherein the second sensor is a video camera device that is connected to or integrated in a user processing device in the meeting location.

3. The method of any of the preceding claims, wherein the sensor signal is generated using the second sensor is analyzed by the user processing device for generating the metadata.

4. The method of any of the preceding claims, wherein the user processing device is used to generate the signal associated with the participant of video communication based on the metadata.

5. The method of any of the preceding claims, wherein the signal corresponding to the participant of the video communication that is generated by the user processing device is made available to a video communication client that is running on the user processing device.

6. The method of any of the preceding claims, wherein a peripheral device coupled to the user processing device provides the signal associated with the participant of the video communication to the user processing device.

7. The method of any of the preceding claims, wherein the metadata comprises information on the viewing direction of at least one user in the meeting location.

8. The method of any of the preceding claims, wherein the metadata corresponding to the second sensor comprises information on the viewing direction of a user of the user processing device relative to the second sensor.

9. The method of any of the preceding claims, wherein the signal corresponding to the participant of the video communication is generated according to at least part of the sensor signal corresponding to the second sensor when the metadata indicates that the user of the user processing device is looking in the direction of the second sensor, and

wherein the signal corresponding to the participant of the video communication is generated according to another sensor when the metadata indicates that the user of the user processing device is not looking in the direction of the second sensor.

10. The method of any of the preceding claims, further comprising:

determining, by the client processing device (3a, 3b, 3c), to request at least a part of the sensor signal generated using at least one of the sensors according to the metadata;

sending, by the client processing device (3a, 3b, 3c), a request to the host processing device receiving the sensor signal from the at least one of the two sensors.

11. The method of any of the preceding claims, further comprising:

after receiving the request, sending, by the host processing device (2a, 2b, 2c), the at least a part of the sensor signal to the client processing device.

12. The method of any of the preceding claims, further comprising:

when the metadata indicates that the user is looking towards the second sensor, requesting at least a part of the sensor signal corresponding to the second sensor according to the information of the viewing direction of the user of the user processing device corresponding to the second sensor.

13. The method of any of the preceding claims, further comprising:

when the metadata indicates that the user is looking away from said second sensor, requesting at least a part of the sensor signal corresponding to the first sensor according to the information of the viewing direction of the user of the user processing device relative to the second sensor.

14. The method of claim 1 wherein generating the signal associated with the participant of video communication comprises

determining of relevance of a sensor signal relative to another sensor signal;

determining of composition based at least on the relevance of a sensor signal relative to another sensor signal;

generating of the signal associated with the participant of video communication based on the determined composition.

15. A method of generating a signal corresponding to a participant of a video communication, comprising:

providing at least a first sensor and a second sensor in a meeting location, the first sensor and the second sensor respectively generating a sensor signal, wherein at least one of the sensor signals comprises information related to the participant;

analyzing at least one of the sensor signals to generate metadata, wherein the metadata comprises information corresponding to the sensor signal;

generating the signal corresponding to the participant of the video communication according to at least a part of the sensor signal corresponding to the first sensor and on at least a part of the sensor signal corresponding to the second sensor and the metadata.

16. The method of claim 15, wherein the first sensor is connected to or integrated in a video conference system and the second sensor is connected to or integrated in a user processing device.

17. The method of claim 16, wherein a peripheral device is coupled to the user processing device and wherein the peripheral device is wirelessly or wired connected to the video conference system used for transmitting the sensor signal corresponding to the first sensor and/or the metadata of the sensor signal corresponding to the second sensor, wherein the sensor signal corresponding to the first sensor and the sensor signal corresponding to the second sensor are transmitted using the peripheral device.

18. The method of claim 15 wherein generating the signal corresponding to the participant of video communication comprises:

determining relevance between the sensor signals;

determining composition according to at least the relevance of between the sensor signals;

generating the signal corresponding to the participant of video communication according to the determined composition.

19. The method of claim 15, further comprising:

providing a first host processing device and a second host processing device respectively to the first sensor and the second sensor for receiving and analyzing the sensor signals, and generating metadata, wherein the metadata comprises information corresponding to at least one of the sensor signals;

sending, by each of the host processing devices, the metadata to a client processing device;

generating, by the client processing device, the signal corresponding to the participant

of video communication according to at least a part of the sensor signal.

20. The method of claim 19, wherein at least a part of the sensor signal corresponding to at least one of the two sensors is requested by the client processing device determined according to the metadata;

the client processing device (3a, 3b, 3c) is configured to send a request to the host processing device receiving the respective sensor signal from the at least one of the two sensors;

the host processing device (2a, 2b, 2c) configured to send the at least a part of the sensor signal to the client processing device.

21. The method of claim 19 wherein the client processing device determines, based on the received respective metadata, whether to request at least a part of the respective sensor signal acquired by at least one of the two sensors;

upon determining to request the at least a part of the respective sensor signal, the client processing device (3a, 3b, 3c) sending a request to the host processing device receiving the respective sensor signal from the at least one of the two sensors;

upon receiving the request, said host processing device (2a, 2b, 2c) determining to send the at least a part of the respective sensor signal to the client processing device;

upon determination sending at least a part of the respective sensor signal to the client processing device.

22. The method of claim 19 wherein a host processing device for a respective sensor controls the respective sensor by

determining the control operations to be sent to the respective sensor to optimize the sensor signal;

sending control operations to the respective sensor;

the host processing device receiving a optimized sensor signal from the respective sensor.

23. A system of generating a signal corresponding to a participant of a video communication, comprising:

a first sensor (1a) and a second sensor (1b,1c) configured to be provided in a meeting location, the first sensor and the second sensor respectively configured to

generate a sensor signal, wherein at least one of the sensor signals comprises information related to the participant;

a first host processing device (2a) and a second host processing device (2b, 2c) configured to receive and analyze the sensor signals correspondingly from the first sensor and the second sensor, configured for generating metadata, wherein the metadata comprises information corresponding to at least one of the sensor signals;

wherein the host processing devices (2a, 2b, 2c) is configured to send the metadata to a client processing device (3a, 3b, 3c);

and wherein the client processing device (3a, 3b, 3c) is configured to generate the signal corresponding to the participant of video communication based on the received at least part of the at least one sensor signal.

24. A system configured to perform the method of any of claims 1 to 22.