

Portable DVD Writer Mounted Wireless Video/Audio System



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CLAIMS



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What is claimed is:

1. A split DVD video camera, comprising two (2) physically separated units:
 - A video camera unit comprises a lens, a video sensor, a microphone, a LCD view finder, a wireless transmitter/receiver, an antenna, a DSP/MCU, a battery, and memories.
 - A base station unit comprises a DVD writer, a wireless transmitter/receiver, an antenna, a video output, a DSP/MCU, a battery/AC adapter, and memories.
2. The split DVD video camera of claim 1, wherein data communication between said video camera and said base station is by means of said wireless transmitter/receivers.
3. The video camera of claim 1, wherein there is *no* local storage media for permanently recording video/audio data.
4. The video camera of claim 1, wherein said wireless transmitter/receiver transmits video/audio data to said base station.
5. The video camera of claim 1, wherein raw video/audio data collected from said video sensor/microphone is compressed to MPEG2 format prior to transmission.
6. The video camera of claim 1, wherein said LCD view finder shows wireless signal strength, remaining battery time of both video camera and base station, remaining DVD recording time, DVD recording on/off status.
7. The base station of claim 1, wherein said wireless transmitter/receiver receives compressed video/audio data from said video camera.
8. The base station of claim 7, wherein DVD writer records said video/audio data to a DVD disk.
9. The base station of claim 8, wherein said DVD disk is either an 8cm or a 12cm disk.

10. The base station of claim 1, wherein said video output connects to a TV set/monitor.
11. The base station of claim 10, wherein recorded DVD contents are played on said TV set/monitor.
12. The base station of claim 10, wherein real time (during recording) DVD contents are played on said TV set/monitor.
13. The video camera of claim 1, wherein said wireless (Wi-Fi) transmitter/receiver connects to a wireless (802.11) router which in turn connects to internet.
14. The video camera of claim 13, wherein said wireless transmitter/receiver transmits compressed video/audio data to internet via said router in order for remote users to watch real time video on their internet devices.
15. The video camera of claim 1, wherein said wireless (Wi-Fi) transmitter/receiver connects to a Desktop/Laptop PC via PC's Wi-Fi interface.
16. The video camera of claim 15, wherein said wireless (Wi-Fi) transmitter/receiver transmits compressed video/audio data to said PC in order for PC to save received data to its hard disk.
17. The video camera of claim 15, wherein said wireless (Wi-Fi) transmitter/receiver transmits compressed video/audio data to said PC in order for user to watch real time video on PC's screen.
18. The base station of claim 1, wherein said wireless (Wi-Fi) transmitter/receiver connects to a Desktop/Laptop PC via PC's Wi-Fi interface.
19. The base station of claim 18, wherein DVD writer records data received from said PC to a DVD disk.
20. The video camera of claim 4, 13, 15, wherein a switch controls to which said wireless transmitter/receiver connects: said base station, said wireless router, or said PC.
21. The base station of claim 7, 18, wherein a switch controls from which said wireless transmitter/receiver receives data: said video camera or said PC.