

FROM ANYWHERE TO WHEREVER IN THE WORLD

Description

The HERMES briefcase, groups the functions of a mobile studio and those of a multi-standard audio-video compression system capable to dramatically reduce the digital contents dimensions, thus maintaining a very high and controllable quality level. By means of this system it is possible to transmit LIVE through an IP satellite modem (i.e.: R-Bgan) or a leased line (HDSL ADSL ISDN or phone) the audio-video streaming or a content previously stored and edited, to the broadcast station. As example a 1 min. content, compressed in good quality can be transferred in 13 sec. over HDSL, 2 min. over ADSL, 4 min. over ISDN, 10 min. by a 56K modem, 4 to 5 min. over satellite.

Live Streaming

Video Editing

Store & Forward

Video on Demand

Remote Control

Reporters

TV Crews

Video-surveillance

Investigation

Mobile Offices

Mpeg2 -3 - 4 H.264

Analog – DV – SDI in

Real-Time 25 Fps

PAL – NTSC – S ECAM

Remote Upgrade



Acquisition, editing, compression & delivery of multimedial contents

**MPEG2/H.264 Live Streaming through Satellite Modem
Portable System for live IP Broadcasting or Store & Forward
Full PAL/NTSC/SECAM from a bit-rate of 200 Kb only**

Benefits

- **Speed and user-friendliness**
Real-time acquisition and simplified control interface.
- **Productivity**
Delivery costs and timing are reduced due to the high compression level along with a high video quality.
- **Reliability**
Linux OS and the standard interface connections grant a high reliability
- **Security**
System protection by encrypted keys
- **Customization**
Control layout and software customizable for different needs
- **Transportation**
Compactness and lightness for easy and cost-saving transport.
- **Weatherproof**
The briefcase is weatherproof and hit-resistant
- **Connectivity**
Compatible with terrestrial and satellite systems

Technical Characteristics

- VAC 110 – 240 Power Supply
- VDC 12 - 24 Power Supply with external inverter
- Analog Audio/Video input
- Mpeg2 - Mpeg4 H.264 compression
- Secured memory with customized encryption
- Complete accessories range: satellite modem, inverter, CD/DVD burner, Bluetooth.
- Ethernet connectivity
- ISDN connection
- USB (Universal Serial Bus) connectivity
- IEEE 1394 FireWire Connectivity
- Free software upgrades for 24 months
- Standard interfaces and protocol
- DV video input
- Plug and Play operability
- Low weight (6 kg.)



Technical Characteristics

Processor and Chipsets

Processor Type Intel Pentium-L2400 Core Duo Low Voltage Processor (1,66 GHz) CPU front side bus - Cache 667 MHz FSB - 2 MB L2 cache Intel Chipset Intel 945GM + ICH7-M

System Memory

Memory 512 MB SO DIM DDR2 (up to 2 GB)

Display

Type Size Resolution Anti reflective TFT 15,1" SXGA+, 1400 x 1050, 256k colors

Graphic Controller

Chipset Integrated in Intel Chipset + Intel GMA950
Graphic Controller Memory Up to 128 MB shared memory

Integrated Drives

Hard disk Removable 2.5" EIDE Drive 80 GB SATA
Optical Drive Removable CD-RW / DVD combo drive with Burning Software

Audio

Controller Azalia 32 bits Audio digital controller - Build-in Stereo 2W speaker

Communication

Wireless LAN Intel PRO / Wireless 3945 802.11 a/b/g
Wired LAN Intel Pro 10/100/1000 Base-T Ethernet
Modem Integrated 56k, V92 analog modem

PC Card

Controller Two slots, 2x Type II or 1x Type III slots 32-bit CardBus

Keyboard

Number of Keys 82-key, water- & dust-proof membrane keyboard Languages Available German, English US, English UK, Danish, Spanish, French, Italian, Russian (others, on request)

Pointing Device

Type - Interface - Operation Touch pad - PS/2 compatible 2 buttons

External Interfaces

Serial Ports 1x RS232 , 9-pin DSUB PS/2 MiniDin PS/2 for external mouse USB 2 x USB 2.0 Ports Parallel Port 1 x 25-pin DSUB, EPP/ECP VGA 1 x 15-pin DSUB, for analog CRT / Beamer Audio External output, Microphone jack Docking Port PO GO hot docking port LAN RJ45 10/100/1000 Modem RJ11 56K V92 DC input 19VDC

Power

AC input 100/240 VAC, 50/60 Hz 90 W max (via external AC adapter)

Battery

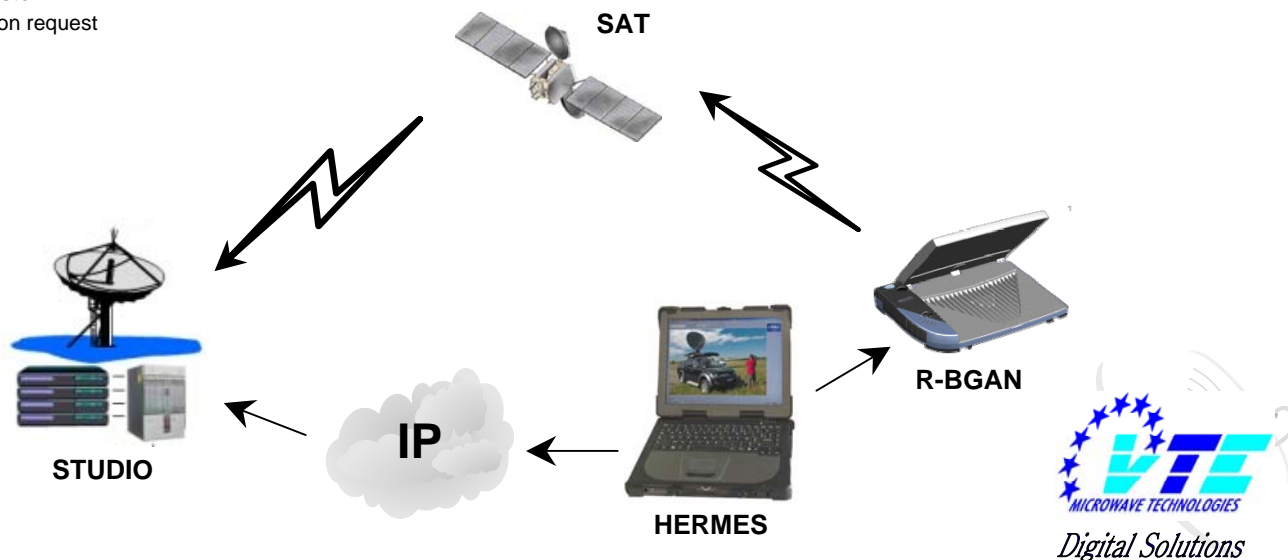
Primary Battery Removable Li-Ion SmartBattery (About 5 hours without ATI graphic chipset)

System Dimensions & Weight

Approx. Weight 4.4 kg
Approx. Dimensions 46height * 286depth * 338width* mm (without handle)

Operating System

Linux (others on request)



On the field

HERMES has been used for transmissions from some of the most difficult environment for broadcasting in the world, like the war scenarios of IRAQ, SUDAN, AFGHANISTAN or tragedies like earthquakes or tsunami, always giving the chance of an immediate and complete video/audio reporting from any far site to the broadcasting station, located anywhere in the world.



The system is used by RAI for daily live broadcasting in severe conditions from several places within Italy