

# PAIPER

## FULL FEATURES IP MEDIACENTER



- ▶ A/V RECORDING AND PLAYBACK
- ▶ MPEG 1 , 2, 4 AND H. 264 ENCODING/DECODING
- ▶ VIDEO ON DEMAND AND MEDIA CENTER CAPABILITIES
- ▶ IP VIDEO AND AUDIO COMMUNICATION
- ▶ WI-FI WIRELESS NETWORKS READY
- ▶ EMBEDDED LINUX OPERATIVE SYSTEM
- ▶ HDMI OUTPUT FOR BEST IMAGE QUALITY
- ▶ UPGRADABLE DSP ENGINE FOR FUTURE FEATURES
- ▶ SMART CARD SUPPORT FOR USERS AND CONTENTS MANAGMENT
- ▶ FULL INTEGRATION IN A PAIPER PLATFORM SYSTEM

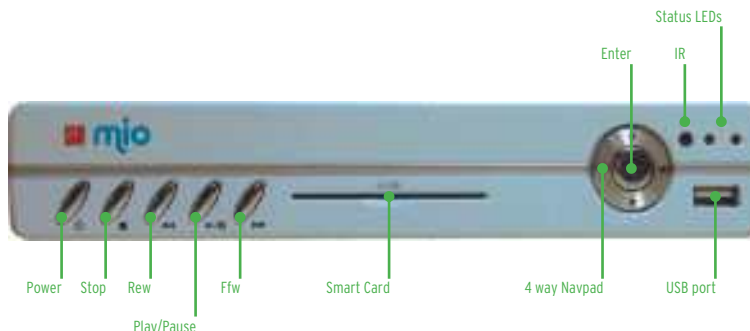
Paiper "mio" is a complete and advanced multimedia set up box. It can support all new video standards and is fully adaptable into a wire, wireless or satellite IP network. Mio is the best choice for professional and home applications. A powerful DSP processor manages in real time all video and audio data as well as encode or decode streams in Mpeg1,2,4 or in H.264. For professional use, "mio" is the best client terminal for a large variety of applications such as content distribution, corporate TV, distance learning. At same time, "mio" is a perfect home Media Centre, with advanced Personal Video Recorder and Video on Demand capabilities. Mio is full customizable and expandable. Thanks to its upgradeable internal software and applications and its interchangeable DSP module, "mio" is always ready for future standards and features.

Paiper "mio" è un completo ed avanzato set up box multimediale, in grado di supportare tutti i nuovi standard audiovisivi e di integrarsi perfettamente all'interno di una rete IP esistente, sia essa wire, wireless o satellitare. Mio rappresenta il terminale ideale sia per applicazioni professionali che in ambito domestico. Mio implementa un potente DSP in grado di elaborare in tempo reale flussi audio e video codificati in Mpeg1,2,4 e nel nuovo formato H.264. In ambito professionale "mio" è il client ideale per applicazioni di content distribution, corporate TV, distance learning. Allo stesso tempo, le funzioni di Personal Video Recorder ed il supporto del sistema Video on Demand fanno di "mio" il perfetto Media Center domestico. Mio è progettato per essere modulare ed espandibile, aggiornando il software integrato e potendo sostituire il processore DSP interno, "mio" è predisposto per supportare tutti gli standard del futuro.

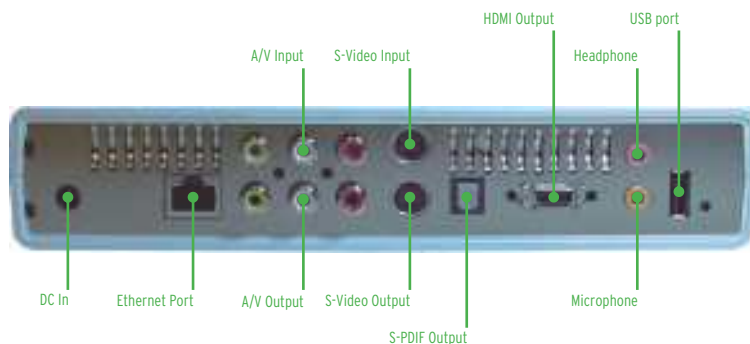




**Front View**  
Vista Anteriore



**Rear View**  
Vista Posteriore



**INPUTS**

**Video PAL/NTSC**

- 1x Composite CVBS
- 1x Y/C S-Video

**Audio**

- 1x unbalanced analog L/R (RCA)
- 1x microphone (3,5 standard jack)

**OUTPUTS**

**Video PAL/NTSC**

- 1x Composite CVBS
- 1x Y/C S-Video
- 1x HDMI

**Audio**

- 1x unbalanced analog L/R (RCA)
- 1x headphone (3,5 standard jack)
- 1x S-PDIF digital audio

**File**

- MPEG-1
- MPEG-2 CBR/VBR
- MPEG-4 CBR/VBR
- H.264

**Network**

- 1x Ethernet 10/100 autosensing
- SAP, SDP Protocol
- Streaming IP unicast/multicast RTP/UDP
- IPV4, IPV6 Support
- IP Transport Stream
- IP Program Stream
- EPG and IS support

**Ports**

- 2x USB ports
- 1x SmartCard Common Interface

**DSP ENCODER / DECODER**

**Video**

- MPEG-1
- MPEG-2 Main Profile, Main Level
- MPEG-4 ASP L1,L2,L3 full D1
- H.264 Baseline

**Audio**

- MPEG-1 Layer I, Layer II, Layer III (MP3)
- MPEG-2 Layer I, Layer II
- 2-channel consumer grade AAC LC, AAC HE
- 2-channel consumer grade AC-3
- G.711, G.723.1, G.726, G.729 and DTS
- Sampling freq: 8,16,22.05,24,32,44.1,48,96 KHz
- Bits per channel: 16,20,24,32

**Advanced Functions**

- Adaptive field/frame motion estimation and DCT type 4:2:2 to 4:2:0 conversion
- Motion estimation with half-pel accuracy
- 8-tap horiz. filter and 4-tap vert. filter
- Fixed frame rates of 29.97 (NTSC) or 25 (PAL)
- Variable frame rates in low delay mode
- Constant or variable bit-rate from 64 Kb/s to 15 Mb/s
- Horizontal sizes up to 720 pixels
- Vertical sizes from 120 to 608 lines
- Programmable GOP structure and length
- Quantization control with Qmin, Qmax
- Extended resolution coding for VBI
- Integrated VCR

**Presets and fast configuration**

- Filtering
- Audio & Video adjustments
- Video noise filtering
- Frame resizing

**STORAGE**

- 1x 80 Gb (internal)\*

**CONTROL**

- Graphical TV video Interface
- Remote IR control

**INSTALLATION**

**Dimensions**

- 220mm(L) x 170mm(P) x 42mm(A)
- 0,5 Kg

**Power**

- 12 VDC
- 100-240 VAC auto range (external power supply)
- 25W maximum consumption

\* optional feature