

TVZeeDMBCoder is a broadcasting software encoder solution which delivers television channels to handheld terminals.

The Digital Multimedia Broadcasting (DMB) standard implemented allows to receive television on small size mobile devices like cellular phones or video Walkman.

Even in a moving vehicle the user will enjoy great television reception with a clear picture and drops or image freeze.

The Mediasyscom broadcast encoder feeds the service operator infrastructure with DMB compatible digital television stream.

DMB standard is an evolution of the worldwide digital radio DAB standard. It enables to deliver television, multimedia as well as interactive services to mobile receivers.

The software implementation of TVZeeDMBCoder, provides a great flexibility and an easy upgradeability.



Advantages:

- Flexibility and scalability of a software solution.
- Remote configuration and administration via a Web browser.
- Instant setting and startup.
- Optional scrambling of the output stream.
- COTS hardware provides low investment and operational costs.
- Constant bitrate encoding and broadcasting for cost effective multiplex aggregation.

Television on mobile opens a new era for personal entertainment. Viewer will experience new uses with instant access to live TV everywhere and everytime.

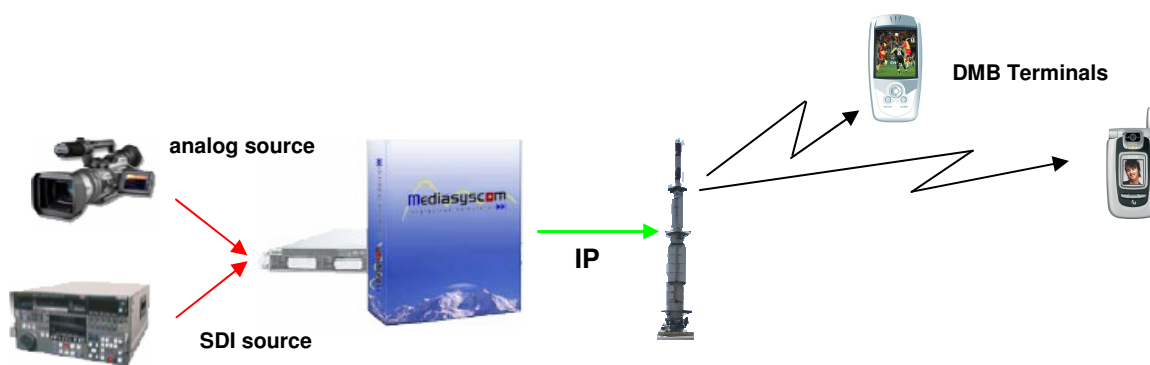
Watching a football match in public transports on your way home or viewing live global events in public places, will soon become very common and part of our environment.



PDA with DMB receiver



DMB receiver



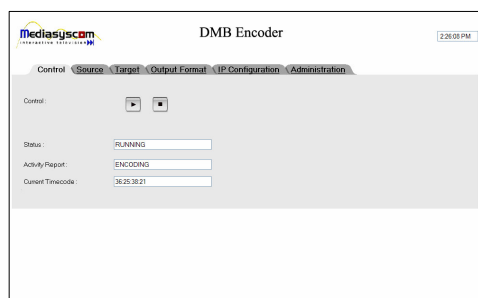
TVZeeDMBCoder, with its software implementation, provides the best solution to fit operator's requirements.

Standard hardware and protocols enable smooth integration in the broadcasting chain and provides low CAPEX and OPEX.

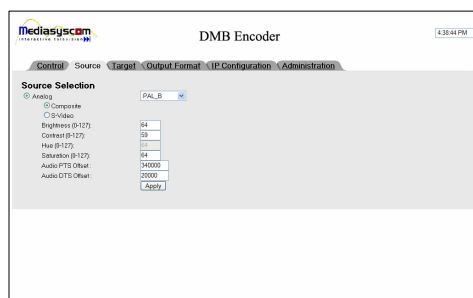
Optimal user-friendly interface to control and setup the coder using a standard Web browser.

Pay TV services with recurrent revenues for the service operator can be achieved, thanks to optional scrambling of output streams.

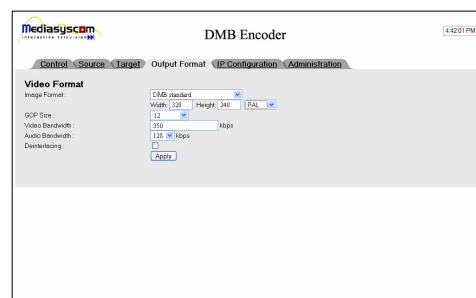
User-friendly configuration and supervision interface via a Web browser :



Coder control



Source selection and parameters



Video output settings

Technical specifications:

Input:

- Video : RF, Composite, S-video and SDI
- Audio : analog, AES/EBU, SPDIF et SDI embedded

•Management :

- Encoded picture type: I, P
- GOP structure : Flexible
- Video data rate: up to 768 kb/s
- Type encoding : Real time up to CIF 30 fps
- Audio sampling frequency: 16 KHz to 48 KHz
- Audio encoding rate: 32 KB/s to 128 KB/s

Output:

- DMB stream on IP
- Stream rate : up to 4 Mb/s
- PSI data: PAT, PMT, OD and BIFS
- Mediasyscom video player for evaluation

Transports & Protocols:

- Video : ISO/IEC 14496-10 (Baseline level 1.3)
- Audio : ISO/IEC 14496-3 BSAC
- Multiplexer : ISO/IEC 14496-1 SL (MPEG-4 System)
ISO/IEC 13818-1 TS (MPEG-2 System)

Options :

- Can be linked with Mediasyscom transcoder and gateway
- DVB-ASI output
- DVB-S and DVB-T optional inputs
- Scrambling of outgoing streams



Photo credit: LG Electronic, Samsung, Sky and TdF