

**TVZeeDVBCoder** is a broadcasting software encoder solution which deliver television channels to handheld terminals.

The Digital Video Broadcasting (DVB-H) 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 no drops or image freeze.

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

DVB-H standard is an evolution of the worldwide digital video DVB standard. It enables to deliver television, multimedia as well as interactive services to mobile receivers.

The software implementation of TVZeeDVBCoder, 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 DVB-H receiver



Handheld DVB-H receiver



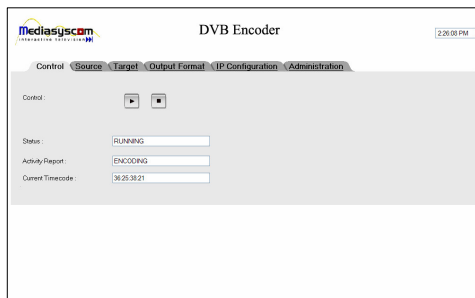
TVZeeDVBCoder, with its software implementation, provides the best solution to fit operator's requirements.

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

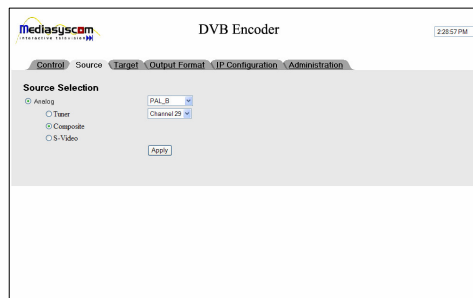
Optimal user-friendly interface to control and setup the coder using a standard Web browser.

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

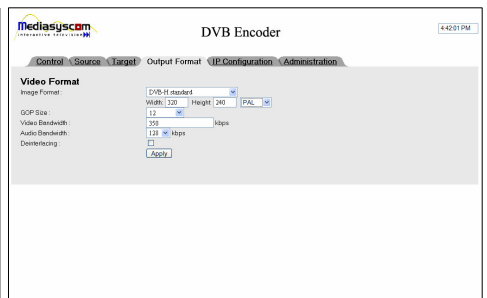
User-friendly configuration and supervision interface :



Coder control



Source selection and parameters



Video output settings

### Technical specification:

#### 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 4 Mb/s
- Type encoding : Real time up to SIF 30 fps  
On request up to D1
- Audio sampling frequency : 16 KHz to 48 KHz
- Audio encoding rate : 8 Kbit/s to 128 Kbit/s

#### Output:

- DVB stream on IP
- Stream rate : up to 4 Mbit/s
- PSI data : PAT, PMT
- Mediasyscom video player for evaluation

#### Transports & Protocols:

- Video : MPEG 4 AVC / H.264
- Audio : MPEG 4 HE-AAC
- UDP/IP : RTP (RFC 3984 / 3640)

#### Options:

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

