**Omid Technologies Inc.**

Omid Technologies Inc. designs and manufactures products for broadcast television industry. These products are based on international standards and are targeted for Digital Terrestrial and Satellite TV, IPTV and interactive TV solutions. Our encoder and receiver/decoder products are designed for transmission of audio and video content with the highest quality, the least bandwidth and the shortest latency. With our Contribution High Definition encoders, live TV content is delivered over terrestrial, satellite or IP network links with studio quality. We also offer additional broadcast products for distribution, conversion, adaptation, monitoring and analysis of various audio and video signals.

**MCE-4050**

MCE-4050 is a High Quality H.265/HEVC Encoder with multiple Digital Video and Audio inputs, multiple DVB-ASI and IP/Ethernet outputs and remote web-based management.

- Encodes up to 4K Video inputs
- Supports various MPEG4 Profiles and Levels
- Live IP Streaming to up to 8 multicast/unicast destinations
- SDI de-Embedding of four Stereo Audio pairs

**IPxASI-1000**

IPxASI-1000 is a network adapter that converts a transport stream from IP to ASI or from ASI to IP, with full support for SMPTE 2022 TS-over-IP. Technical highlights include advanced IP-jitter filtering, ultra-low latency and zero-jitter IP transmission.
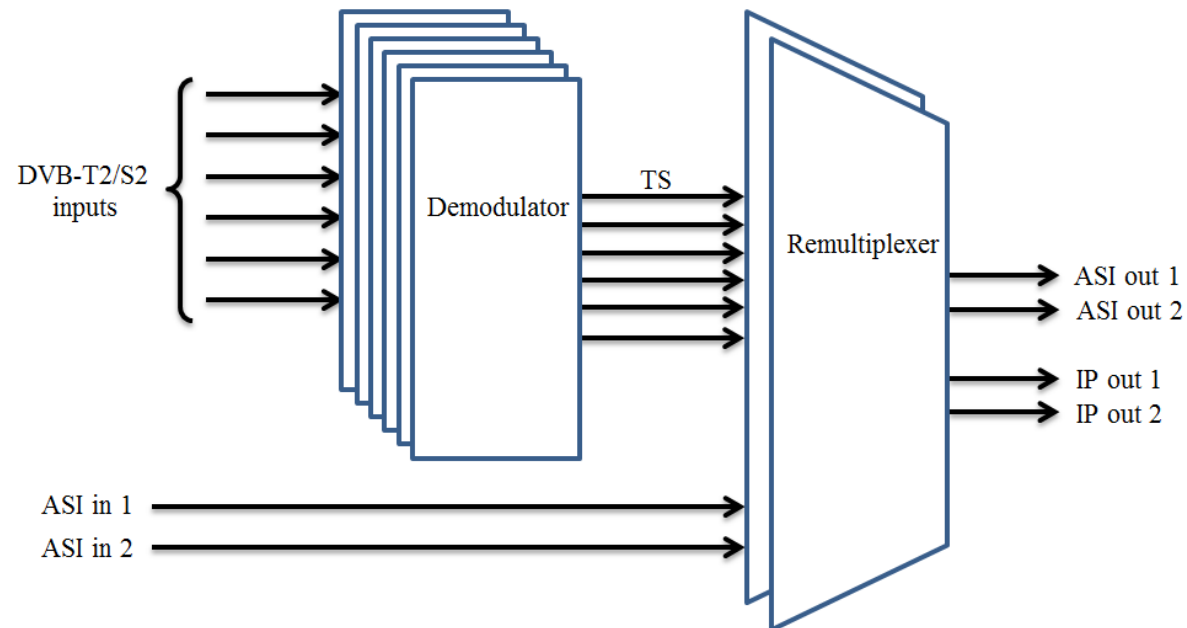
- Supports both of UDP and RTP IP-protocols
- Supports Forward Error Correction (FEC), SMPTE 2022-1
- Up to 214 Mbps bitrate
- Maximum 1ms latency for ASI to IP conversion
- IP to ASI latency: Programmable 1 to 500ms jitter tolerance buffer

**RMX-8000 Dual Remultiplexer with DVB-S2/T2 and ASI Inputs and IP/ASI Outputs**

RMX-8000 receives up to two ASI inputs (on base system) and six DVB-T2/S2 (modular), in addition to possess the ability of monitoring of MPEG TS input specifications, makes it possible to select the one of the input stream and transmit it to ASI/IP output.

- Up to six DVB-T2/S2 and two ASI inputs
- Two independent ASI/IP outputs
- Supports BISS de-scrambling in two mode 0 and 1

MPEG TS Remultiplexer

RMX-8000

[RMX-8000] MPEG TS Remultiplexer
Omid Technologies inc.  Web:www.omid.ca

Esc

OK

ALARM

INPUT

OMID

**MCE-4100 Integrated Encoder Modulator**

MCE-4100 encodes audio and video then modulate the TS to DVB-T/T2 or DVB-S/S2. Utilization of multicarrier modulation and advanced channel coding techniques according to EN300744and EN302755standards has caused superior resiliency and robustness in urban as well as rural environments.
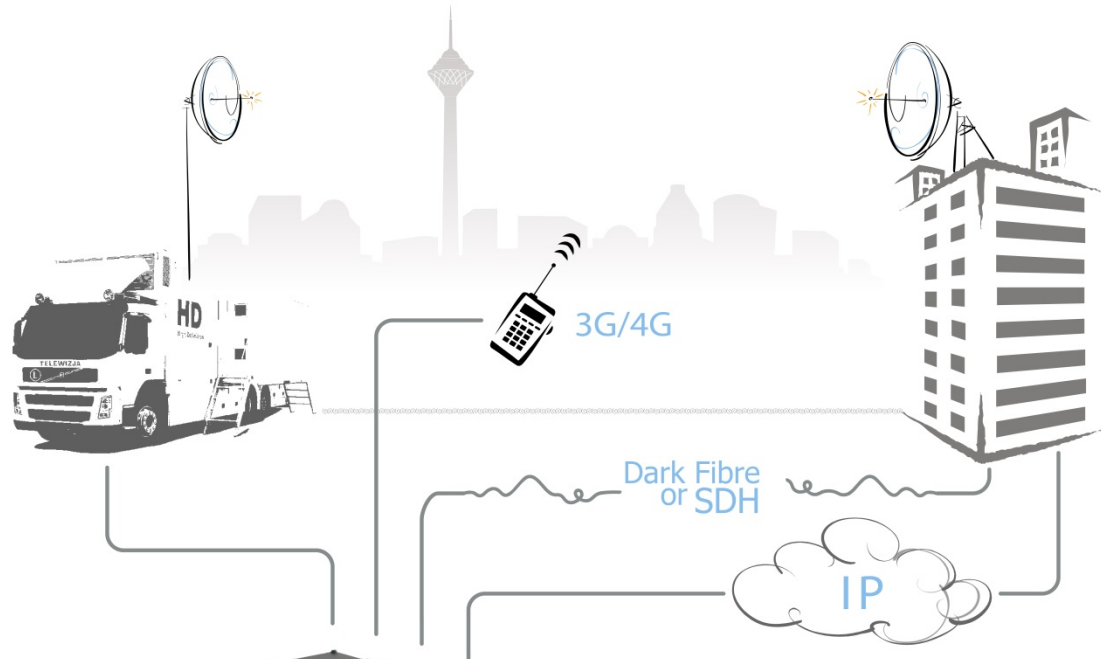
- Encodes both High Definition (HD) Standard Definition (SD) video input
- Contribution video and audio quality with bit rates as low as 256Kbps
- Supports various MPEG2 and MPEG4 profiles and levels
- Supports of both DVB-T/T2 and DVB-S/S2
- Web-based control and monitoring
- Frequency band of operation: 10.2GHz  to 10.7GHz
- Tuning resolution: 1MHz

**ENG-3000**

ENG-3000 is a Video and Audio Portable Link; great cutting edge solution for fast and easy live AV connection with high quality and low latency. This link presented in special portable case and can be carried by a person easily. Everything needed is prepared in a standard case and let the user install the link quickly and start broadcasting just in time.

- Light industrial portable case
- Connect over different roots
  - Point to point connection (over 100km)
  - Dark optic fiber (over 300km without repeater)
  - SDH network
  - IP network like ADSL and Wimax (Internet or Intranet)
  - 3G/4G on mobile data (ability to cascade connections and provide a higher bandwidth)
  - Local Wi-Fi network

3G/4G

Dark Fibre
or SDH

IP

**HBB-7010 Hybrid Broadcast Broadband (HbbTV) Solutions**

Hybrid broadcast broadband TV (HbbTV) is a global initiative aimed at harmonizing the broadcast and broadband delivery of entertainment services to consumers through connected TVs, set-top boxes and multiscreen devices.