



Omid Technologies Inc.

Audio Video Products and Solutions

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No.: 140003268



**Open
Minds**

**Smart
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Simple**

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CONTENTS

About Us	01
History	01
Our Vision	02
Some Customers	03
Our Solutions	03
Sky Portable Audio Video Links	04
IPTV Live Head-ends	05
Satellite and Terrestrial Broadcast Encoders	06
Satellite and Terrestrial Broadcast Decoders	07
OTT Live Head-ends	08
Teleconferencing Solutions	08
Video Monitoring and Multiview	08
Other Broadcast Products	09
HbbTV	10
Contact Info	Last Page

About Us

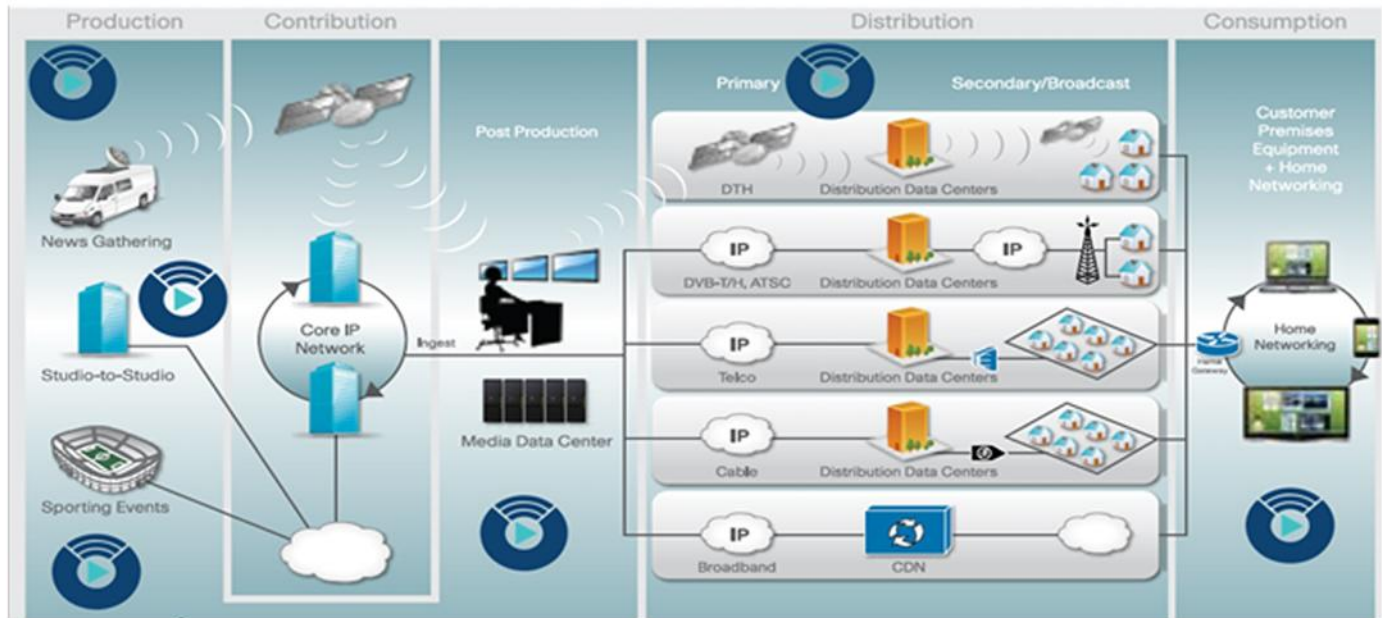
Omid Technologies Inc. is a research and development company that designs innovative solutions and manufactures products for production, transmission, processing and reception of audio and video content.

Since 1998, we have been providing audio video compression products that enable high quality transmission and reception over satellite, terrestrial and IP networks. Our recent products include Building IPTV Head-ends and Mobile Internet-Based Battery-Operated Audio Video Links for live high-quality transmissions over lossy IP networks.



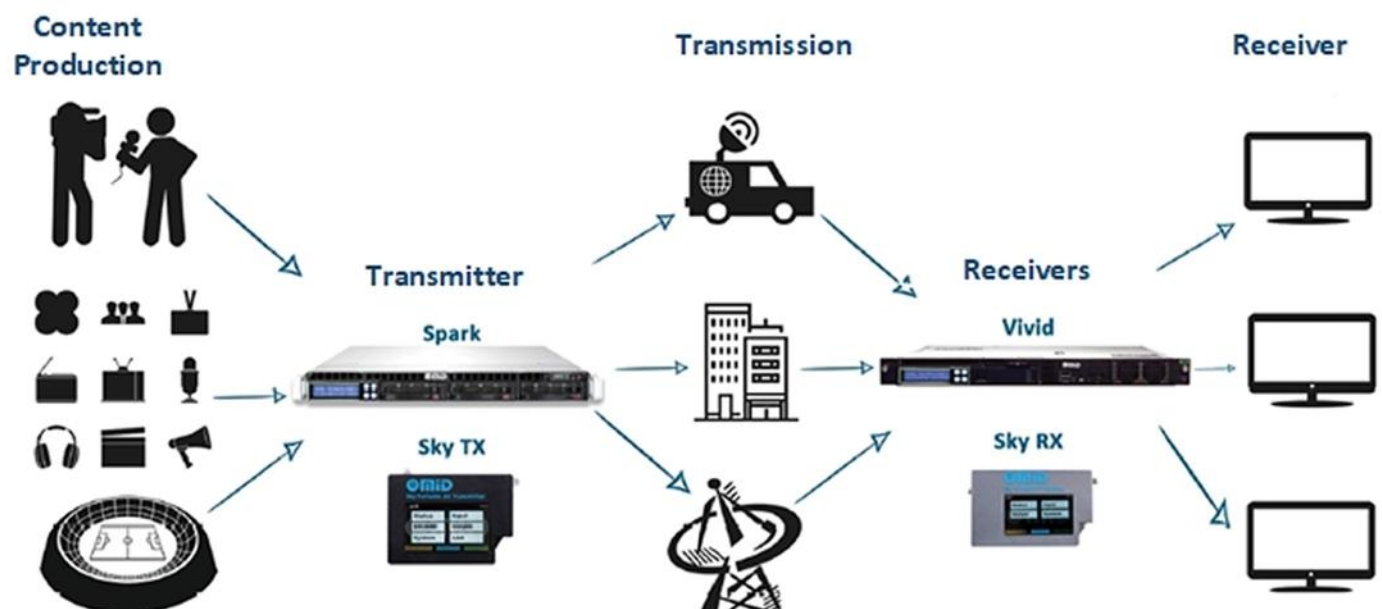
History

We have been in this business since 1992 and our company was officially incorporated in June 1998 with headquarters in Tehran, Iran. However, we are open to any opportunities in the area of audio video and television broadcast across the world. Our clients include broadcasters, IPTV/OTT operators, satellite channels, conference venues, places of worship, etc.



Our Vision

Our products and solutions enjoy high reliability, professional quality, life-time technical support, competitive pricing, fast delivery, secured management, flexible customization and client-oriented design. We endeavor hard to fully understand customer needs in order to integrate tailor-made solutions that best meet the project budget and requirements. The integrated solutions often use a mix of our own products and products from our partners. We have many products for the whole broadcast chain including contribution, production, post-production, distribution and reception.



Some Customers

- Islamic Republic of Iran Broadcasting (IRIB)
- 33 provincial canterers of IRIB
- Satellite channels:
 - Velayat
 - Al-Alam
 - PRESS TV
 - Thaqalayn
 - Iran Press
 - Islam Asil TV
 - Imam Reza TV
 - Al-Ahwaz
 - Samen TV
 - Razavi TV
- IPTV Operators:
 - Ayo: Baran Telecom
 - Fam: Aseman Media
 - Tooska: Business Network

- Telecomino
- Remis
- Astan Qods Razavi
- Fara Afrand
- Arvan Cloud
- Fanamoj
- Bayan Rasaneh Gostar
- Analog Device Inc. (ADI)
- Consultronics
- bbd Electronics (Intel Representative)
- Sicon Video
- Professional Development Center, University of Toronto
- Leitch Technology Inc.
- Ralph Thornton Community Center
- Data Vation Inc.

Our Solutions

SKY

Portable Audio Video Links

Replaces expensive Satellite News Gathering (SNG) trucks and Fly-Aways with small box carried in a waist bag.

IPTV

IPTV Live

Provide Live TV service over internet Network of hotels, hospital, residential and commercial complexes. Remove the cost of installation and maintenance of cable TV.

OTT

OTT Live

Provides TV content over the Internet to multiple screens such as mobile, tablet, pc, TVs with variable processing and network capacity

CLOUD

Teleconferencing

Suitable for virtual conferences, classrooms, etc. over the internet

BROADCAST

Satellite and Terrestrial Broadcast

Professional Audio Video Encoders, Decoders, Multiplexers, IP, etc.

MULTIVIEW

Monitoring System

Monitoring of multiple content on a single screen.



Portable
Encoder



Sky Portable Audio Video Links

- Replaces expensive Satellite News Gathering (SNG) trucks and Fly-aways with small box carried in a waist bag.
- Sends and receives live contribution content over fixed, wireless and 3G/4G networks.
- Compensates for packet loss, packet error and packet reordering of Internet connections.
- Replaces costly satellite bandwidth with cheap Internet bandwidth.
- Accepts SDI and HDMI inputs.
- Supports multiple SIM cards from different mobile operators.
- Performs hot fail over to other network interfaces once an interface goes down.
- Option to aggregate bandwidth from multiple network interfaces and SIM cards for increased transmission bandwidth and picture quality.
- Can stream to Internet streaming providers such as YouTube, Instagram, Facebook, Aparat, etc

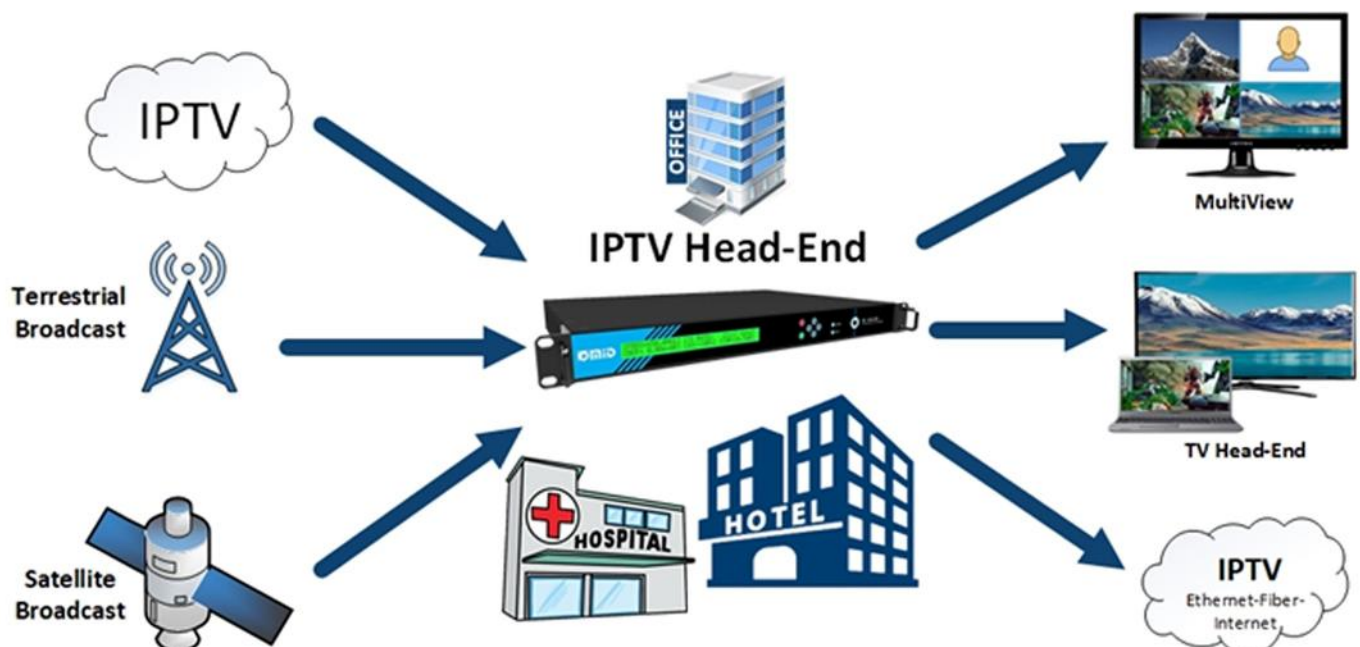


IPTV Live Head-ends

- Allows creation of various output program packages from inputs
- Uses multicast technology to optimize bandwidth usage
- Eliminates high cost of cable TV copper cabling installation and maintenance
- Can provide TV service over lower cost fiber network infrastructure that is used for phone and data services
- Provides customized and flexible TV service for hotels, hospitals, commercial and residential complexes
- Works with most new Smart TVs without extra equipment
- Set top boxes available for legacy TVs



Receives multiple audio video sources from satellite, terrestrial, Internet sources and broadcasts over IP network

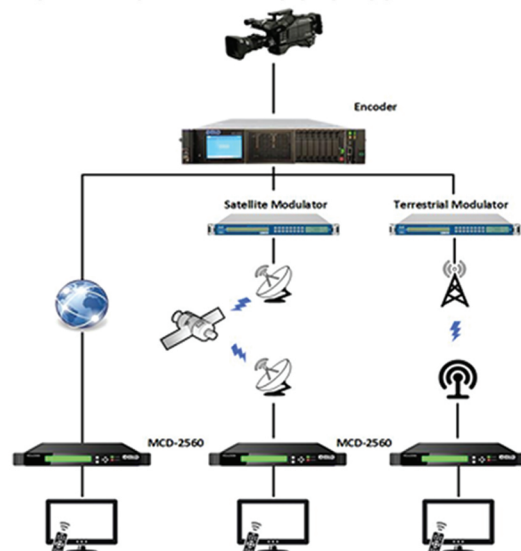
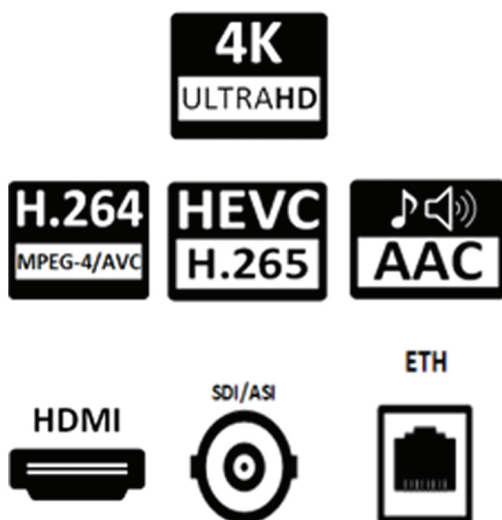


Satellite and Terrestrial Broadcast 4K, HEVC Encoders



- High video quality up to 4K
- Low bandwidth consumption
- Low cost
- High reliability
- Low delay
- Audio video synchronization
- High availability
- Supports most popular compression standards such as MPEG2, MPEG4/H.264 and HEVC/H.265
- IP and ASI outputs
- Optional integrated modulator for satellite DVB-S/S2/S2X and terrestrial DVB-T/T2 RF outputs
- Optional encrypted output
- Optional ProMPEG FEC output for error correction over IP network transmissions
- Available in multiple combination of features, physical dimensions, video quality and resolution, power consumption, power supply type, etc.

Professional Audio
Video Encoders

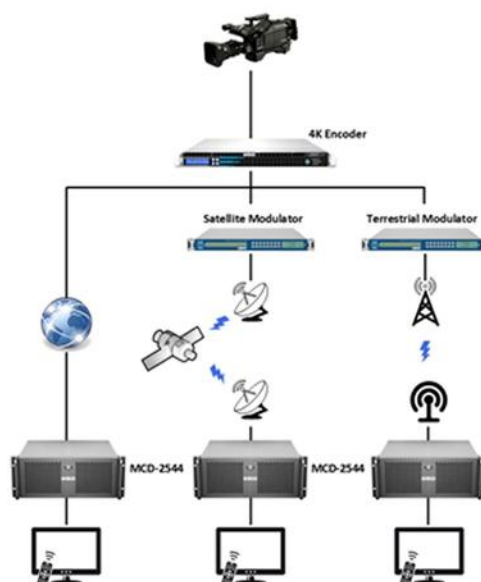
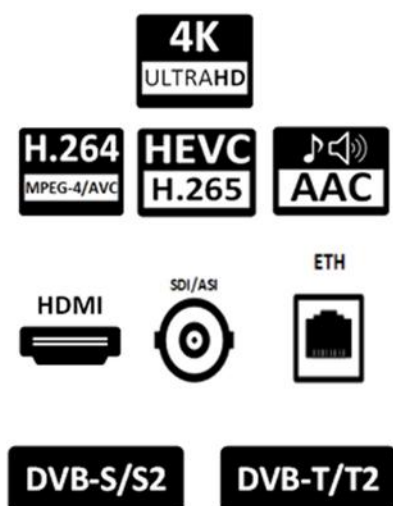


Satellite and Terrestrial Broadcast 4K HEVC Decoders



- Input options: IP, ASI, DVB-S/S2/S2X, DVB-T/T2
- Output options: SDI, HDMI
- Low cost
- High reliability
- High availability
- Supports most popular compression standards such as MPEG2, MPEG4/H.264 and HEVC/H.265
- Supports resolutions of SD, HD, Full HD, Ultra HD and 4K
- Optional input decryption
- Optional ProMPEG FEC error correction for IP network inputs
- Available in multiple combination of features, physical dimensions, video quality and resolution, power consumption, power supply type, etc.

Professional Audio Video
Decoders



OTT Live Head-ends

- Multi-profile video encoding and transcoding
- Serves video content to various clients with different screen resolutions, network bandwidth, processing power, etc.
- Supports most popular streaming protocols such as HLS and MPEG-DASH
- Can record content while streaming
- Provides rewind, time shift and fast forward to viewers

Teleconferencing Solutions

- Easy to use interface with no need for extra software installation
- Suitable for virtual conferences, classrooms, etc.
- Scalable and cloud compatible with low delay
- Adaptive video coding technology for variable network conditions
- Screen sharing and conference/classroom management features

Video Monitoring and MultiView

- Monitoring multiple videos on one screen
- Design the video layout on screen



Other Broadcast Products

● Multiplexers and Remultiplexers:

- Receives multiple MPEG Transport Streams and drops and adds TV services from/to them. Creates Multi-Program Transport Streams (MPTS) for transmission over satellite or terrestrial broadcasts.

● Demodulators and IP Adaptors:

- RTP and UDP IP to ASI converters with ProMPEG FEC support
- ASI to RTP and UDP IP converters with ProMPEG FEC support
- DVB-T/T2 to ASI and IP converters
- DVB-S/S2 to ASI and IP converters

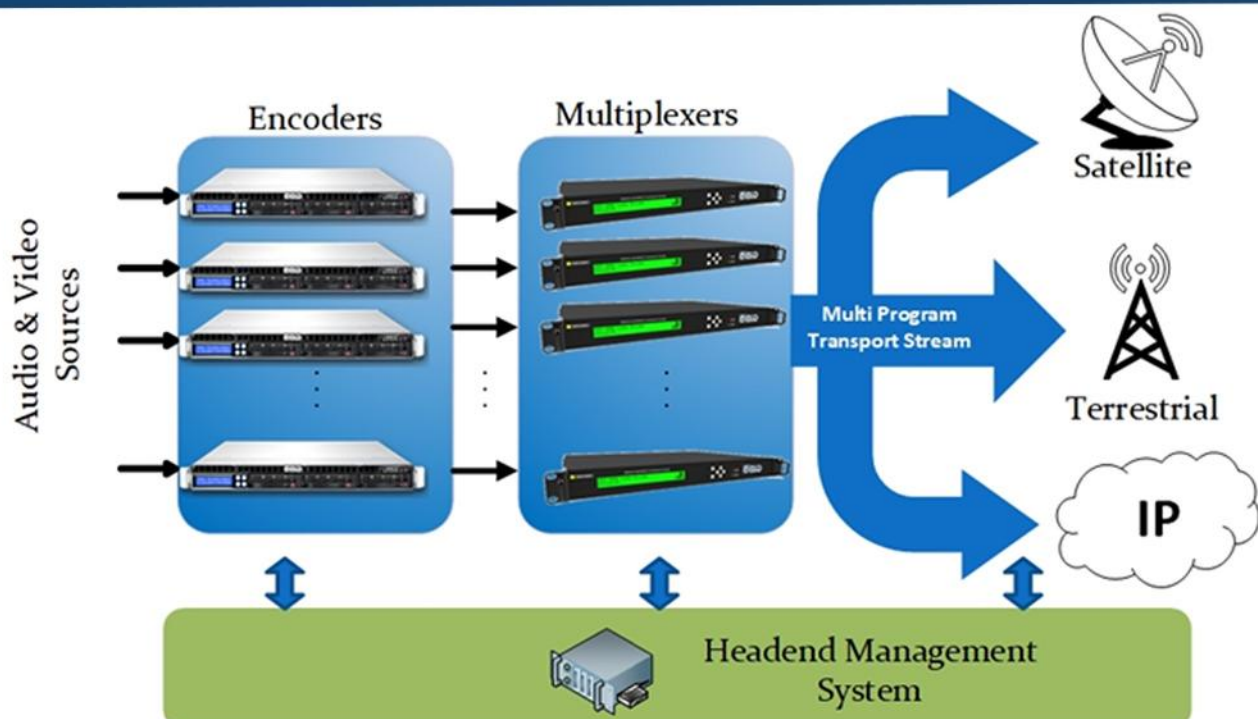
● ASI Distributors:

- One to 8 ASI distributors

● SDI Audio embedders and de-embedders:



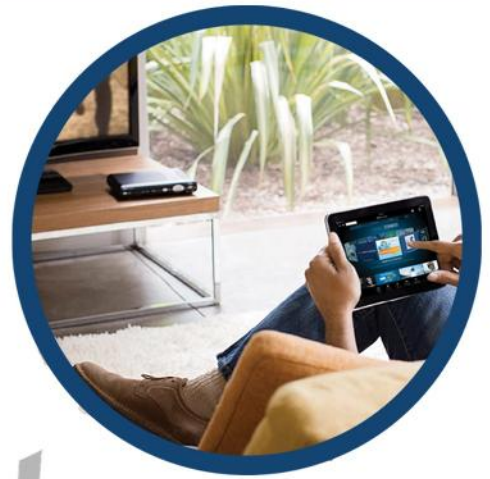
Integrated monitoring, configuration and management of all head-end equipment in one software.



Hybrid Broadband Broadcast TV (HbbTV) Interactive TV solutions



- ✓ Value added services for interactive TV experience
- ✓ Available over both terrestrial broadcast and Internet
- ✓ Standard compatible with most new Smart TV models



HbbTV



Note:

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