

# IPHE-8100

**IPTV Headend, 16xDVB-S/S2/T/T2 Tuner, 2xASI to IP Converter**



## Receive Multimedia Content from Various Sources and Broadcast over IP network

Utilizing IPTV technology, this device receives multimedia content from Digital Terrestrial TV, Satellite TV, and other sources, and then broadcasts the received content via IP network to every unit of a residential or commercial complex. Therefore, this solution reduces the cost by a considerable margin, replacing the RF cabling, with the more cost-effective and flexible IP or fiber network which already exists in almost all new buildings.

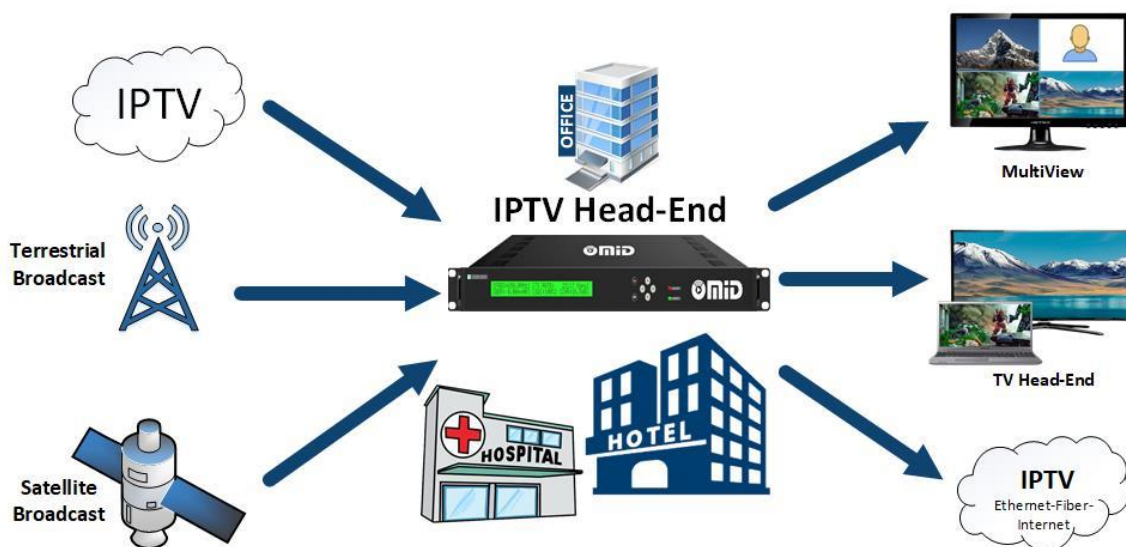
The IPHE-8100 supports 16xRF (DVB-S/S2 and DVB-T/T2) and 2xASI as inputs. This device also provides 512xSPTS or 16xMPTS (for Tuner/ASI pass-through) over 2xIP ports (Mirrored) as output. The IPHE-8100 supports SNMP for management and monitoring.



## Features

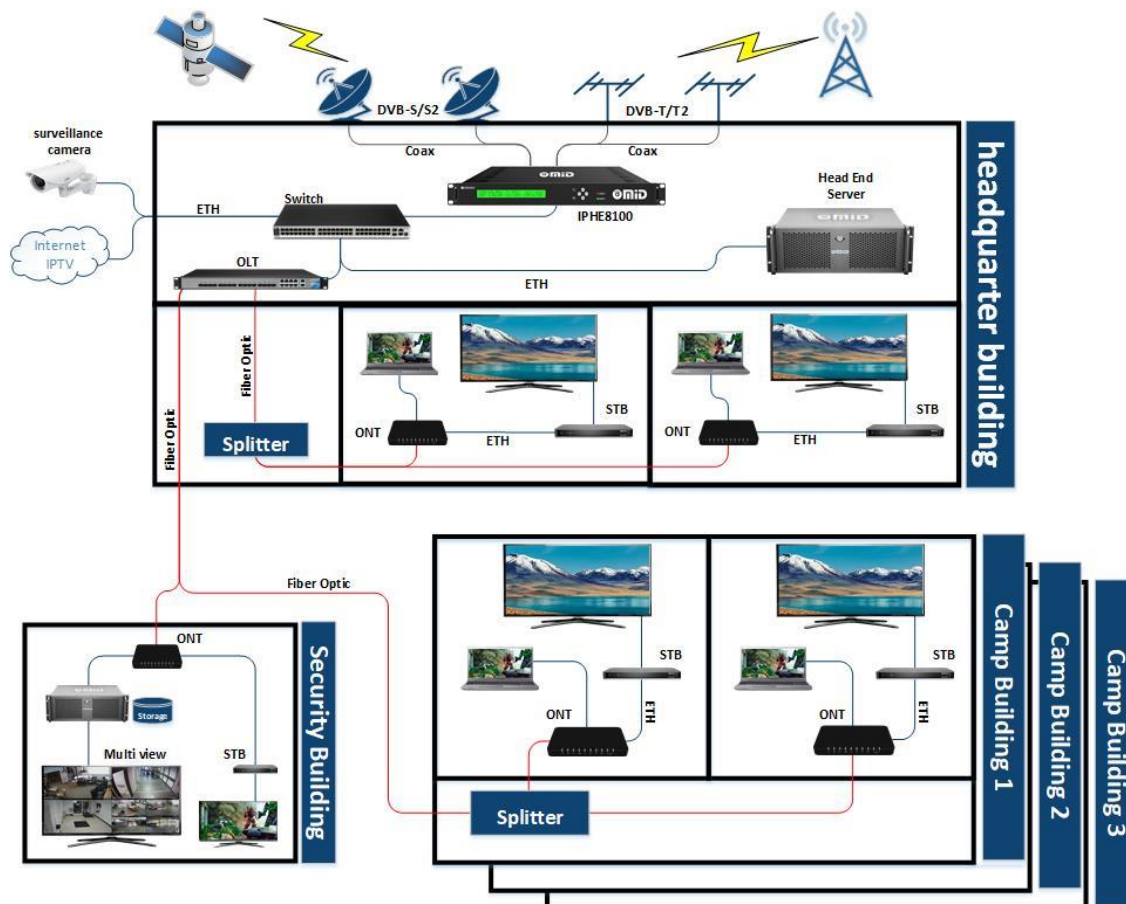
- 16 RF Inputs (Option, please contact for more information)
- DVB-T, DVB-T2, DVB-S and DVB-S2 Reception
- Customizable Number of DVB-T/T2 or DVB-S/S2 Inputs
- 2xASI(BNC) as Input
- 2xIP Streaming Output (Mirrored)
- 512xSPTS or 16MPTS (for Tuner/ASI pass-through)
- Output throughput: 850Mbps
- Supports UDP, RTP/RTSP for Multicast and Unicast
- Ethernet Output Port for management and NMS
- BISS descrambling
- DisEgc function
- PID filtering, re-mapping (for SPTS output)
- Null PKT Filter function (For MPTS output)

## IPTV Live Head-ends



## Application





- IPTV
- Transmit over LAN, WAN, Internet (fiber optic or cable)
- Hotel, Hospital, commercial and residual complexes
- Eliminate high cost of cabling installation and maintenance
- DVB-S/S2 to IP Convertor
- DVB-T/T2 to IP Convertor
- Transmit audio and video in BMS (building management system)
- Work with most new smart TV without extra equipment
- Use multicast technology to optimize bandwidth usage
- Allows creation of various output program packages from inputs



## Technical Specification

<b>Input</b>	<ul style="list-style-type: none"> <li>16xTuner DVB-S/S2, DVB-T/T2 (Customizable, contact for more information)</li> <li>2xASI(BNC)</li> </ul>
<b>Output</b>	<ul style="list-style-type: none"> <li>2xIP(RJ45)</li> <li>512xSPTS IP mirrored output over UDP, RTP/RTSP through GE1, GE2 port (IP address, port number of GE1 and GE2 are different), Unicast, Multicast</li> <li>16xMPTS IP output (for Tuner/ASI pass-through) over UDP and RTP/RTSP, GE1, GE2 port, Unicast, Multicast</li> </ul>
<b>DVB</b>	<ul style="list-style-type: none"> <li>DVB-T/T2           <ul style="list-style-type: none"> <li>Frequency in: 60~890MHz</li> <li>Bandwidth: 6/7/8 M bandwidth</li> </ul> </li> <li>DVB-S           <ul style="list-style-type: none"> <li>Frequency in:950-2150MHz</li> <li>Symbol rate: 1~45 Msps</li> <li>FEC: 1/2, 2/3, 3/4, 5/6, 7/8</li> <li>Constellation: QPSK</li> </ul> </li> <li>DVB-S2           <ul style="list-style-type: none"> <li>Frequency in:950-2150MHz</li> <li>Symbol rate: 1~45 Msps</li> <li>FEC: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10</li> <li>Constellation: QPSK, 8PSK</li> </ul> </li> </ul>
<b>BISS Descrambling</b>	<ul style="list-style-type: none"> <li>Mode 1, Mode E (Up to 850Mbps) (descramble individual program)</li> </ul>
<b>Management and Control</b>	<ul style="list-style-type: none"> <li>WEB GUI over Ethernet</li> </ul>
<b>Physical Dimensions and Power</b>	<ul style="list-style-type: none"> <li>Dimensions (W x D x H): 482mm×410mm×44mm – 1RU rack mount</li> <li>Approximate Weight: 3.6 Kg</li> <li>Power Supply, 100~240VAC, 50/60Hz</li> <li>Consumption: 20 Watts</li> </ul>
<b>Environmental Conditions</b>	<ul style="list-style-type: none"> <li>Operating Temperature: 0~45°C(work) ; -20~80°C (Storage)</li> </ul>

## Related Products

<ul style="list-style-type: none"> <li>SKY Portable Transmitter/Encoder</li> </ul>	
<ul style="list-style-type: none"> <li>4K/Full-HD HEVC, 1U Encoder</li> </ul>	
<ul style="list-style-type: none"> <li>4K/Full-HD HEVC, 4U Encoder</li> </ul>	
<ul style="list-style-type: none"> <li>Infinity- Professional rackmount decoder/receiver</li> </ul>	

Contact with us for more information.

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