

## **COL5600JP IP to ISDB-T Modulator**



### **Outline**

COL5600JP IP to ISDB-T modulator is a high performance modulator developed according to ARIB STD-831 standard. It provides a more powerful receiving ability to simultaneously process 4 IP streams inputting from encoder, multiplexer, gateway and etc head-end. It outputs digital RF after multiplexing process.

For management and operation, this device supports local and remote control through a web-based NMS system.

### **Key Features**

- ✓ Complying with ARIB STD-831 standard
- ✓ 1000M IP port, 4 IP streams input
- ✓ Support 4 IP output
- ✓ Programs output through RF with multiplexing
- ✓ Dual adjacent carriers output
- ✓ RF Output frequency range: 30MHz~1000MHz in 1 kHz step
- ✓ Support PID remapping

✓ LCD/keyboard and Web-based NMS operation

## Specifications

<b>IP Input</b>	4* IP (MPTS/SPTS) input over UDP (Unitcast/Multicast) (1000M port based Ethernet)	
	IGMP Snooping: v2, v3	
<b>RF Output</b>	<b>Standard</b>	ARIB STD-B31
	<b>Bandwidth</b>	6M
	<b>Constellation</b>	DQPSK, QPSK, 16QAM, 64QAM
	<b>Guard Interval</b>	1/32, 1/16, 1/8, 1/4.
	<b>Transmission Mode</b>	2K, 4K, 8K
	<b>FEC</b>	1/2, 2/3, 3/4, 5/6, 7/8
	<b>MER</b>	≥42dB
	<b>Output</b>	30~1000MHz, 1KHz step
	<b>RF output level</b>	-30~ -10dbm (77~97 dbμV), 0.1db step
<b>IP Output</b>	4*IP output, one for one with the 4 IP input	
<b>System</b>	LCD/keyboard operating and Web-based NMS support	
	Ethernet software upgrading	
<b>General</b>	<b>Dimension</b>	482mm×300mm×44mm (W*D*H)
	<b>Weight</b>	2.3kg
	<b>Temperature</b>	0~45°C (Operation); -20~80°C (Storage)
	<b>Power</b>	AC 110V±10%, 50/60Hz; or AC 220V±10%, 50/60Hz
	<b>Consumption</b>	25W



**Principle Chart**

